

RADCLIFFE CATALOGUE

OF

6424 STARS

FOR THE EPOCH

1890

STONE

Eph. astr. 22⁵

Catalogue

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THE RADCLIFFE TRUSTEES

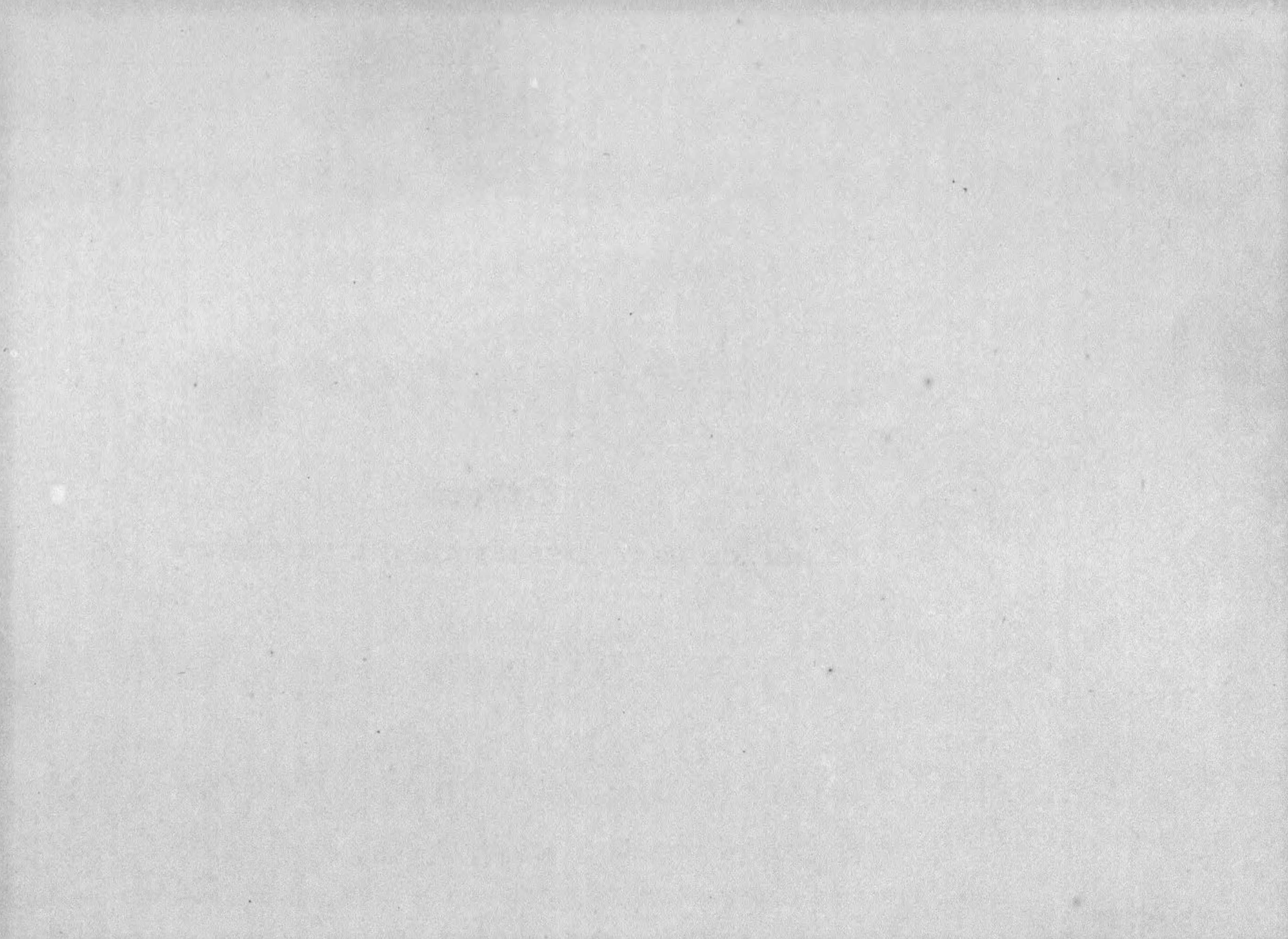
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CATALOGUE
OF
6424 STARS
FOR THE EPOCH
1890.

*FORMED FROM OBSERVATIONS MADE AT THE RADCLIFFE OBSERVATORY, OXFORD,
DURING THE YEARS*

1880—1893.

UNDER THE SUPERINTENDENCE OF

EDWARD JAMES STONE, M.A. (CANTAB. ET OXON.), F.R.S., F.R.A.S.,

DR. NAT. PHIL. UNIVERSITATIS PATAVINAE

C. M. DE LA SOCIÉTÉ NATIONALE DES SCIENCES NATURELLES DE CHERBOURG,

HONORARY MEMBER OF THE LIT. AND PHIL. SOCIETY, MANCHESTER,

HONORARY FELLOW OF QUEENS' COLLEGE, CAMBRIDGE,

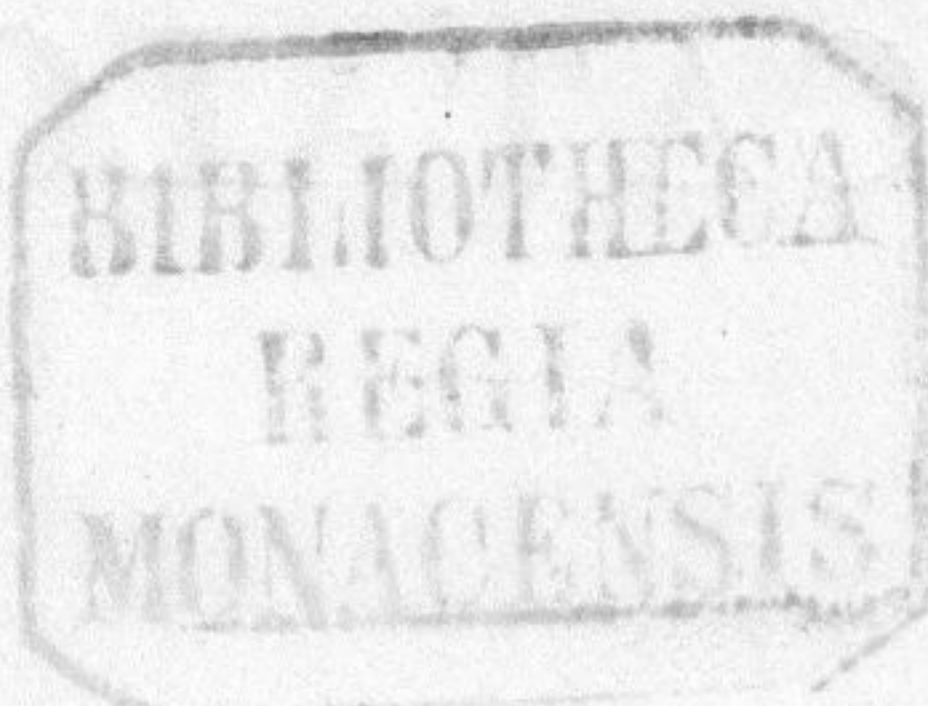
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OXFORD:

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THE RADCLIFFE TRUSTEES, 1894.

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SIR W. R. ANSON, Bart., D.C.L.

INTRODUCTION.

THE present work owes its existence to the liberality of the Radcliffe Trustees.

The positions of the stars which are given in this Catalogue have been deduced from observations made with the Transit-Circle of the Radcliffe Observatory between 1880 January 1, and 1893 December 31.

A description of the Transit-Circle will be found in the Introduction to Carrington's "Red Hill Catalogue, 1855." But the divisions of the Circle under the microscopes, the clock-face, and the field of view of the telescope are now illuminated by a single electric carbon lamp; and two additional microscopes, which can be shifted over several divisions of the Circle, have been mounted for the determination of the division-errors.

The stability of the instrument, and the constancy of the horizontal-flexure have been very satisfactory during the whole period over which the observations extend, as will be seen on reference to the corrections for instrumental errors and flexure which are given in the Annual Volumes of Results.

A considerable number of stars were observed, directly and by reflexion, more particularly during the years 1880-1887, to check the freedom of the results from systematic errors; and a number of observations above and below the pole, some at very low altitudes, beside those of low southern stars, were made to test the accuracy with which Bessel's Refractions represent the Oxford observations with the exterior thermometer placed in a well-screened crib on the North side of the Transit-Circle room, and for a re-determination of the Latitude of the Observatory. A preliminary discussion of these results appeared to show that the systematic errors of the Instrument, and the errors of the Refraction-tables were small; and the observing has since been more exclusively directed to obtaining positions of stars for well-distributed zero-points between the Equator and North Polar Distance 115° , *in continuation and completion of the work carried out under my direction at the Cape of Good Hope between the years 1870-1879.* The present Catalogue should contain the positions of all the stars to the seventh magnitude from the Equator to 115° N.P.D., except those in clusters; of fainter stars to fill existing lacunae; and of many stars of greater N.P.D. than 115° for comparison with the corresponding results of the Cape Catalogue, 1880. The positions of stars of greater N.P.D. than 115° which are given in this Catalogue are, from atmospheric causes connected with a low altitude, not comparable in accuracy, either in R.A. or N.P.D., with the corresponding results in the Cape Catalogue, 1880; and these stars have been observed at Oxford chiefly as a check upon the accuracy of the Refractions used in the reductions. The Cape Catalogue, 1880, and the Radcliffe Catalogue, 1890, in combination give a series of well-distributed zero-points for the whole Southern hemisphere; and from the facilities which photography affords for the rapid filling in of the positions of the fainter stars on a photographic plate, when those of a sufficient number of zero-points on the plate have been otherwise fixed, it would appear that the efforts of meridian observers will, for the future, be most advantageously directed to this class of stellar work.

Star Corrections, Precessions, and Secular Variations.

The Constants which have been adopted are those of Professor Peters' "Numerus Constans Nutationis."

The Precessions and Secular Variations have been given to four places of decimals in Right Ascension and three places of decimals in North Polar Distance; but no special precautions have been

taken to secure perfect accuracy in the last decimal places. The accuracy aimed at has been such that the Precessions computed from the given data, for other epochs than 1880, should be correct in R.A. and N.P.D. to the third and second decimal places respectively.

The R.A.'s have been given in the present, as in most recent Catalogues, to the third place of decimals; but I attach no importance to the last places given either in R.A. or N.P.D.

The calculations of the star-corrections, of the precessions, and of the secular variations, have been made by the aid of my "Tables, Appendix to the Cape Observations, 1874," and have in all cases been independently computed for this Catalogue.

The expense of printing star-constants for every star included in this Catalogue would have been very great indeed, and the facility with which the star-corrections, or, if required, the star-constants, can be computed by the aid of these tables, appeared to render it unnecessary to incur the expense.

I append examples of the computation of star-corrections in Right Ascension and North Polar Distance. The advantages afforded by the use of the tables are, however, only fully realised when a considerable number of stars have been observed on the same day. The logarithms which depend upon the right ascension can then be entered without any loss of time in turning over the pages of the tables, and the term $sc \times C$ is sensibly constant for all observations of the night.

The construction and use of the tables will be understood from what follows. I put—

$$\begin{aligned} a &= \frac{1}{15} \sec \delta \cdot \cos \alpha. & b &= \frac{1}{15} \sec \delta \cdot \sin \alpha. \\ c &= \frac{n}{15} \tan \delta \cdot \sin \alpha. & d &= \frac{1}{15} \tan \delta \cdot \cos \alpha. \\ sc &= \frac{m}{15}, \text{ a constant for the epoch.} \\ a' &= \sin \delta \cdot \sin \alpha. & b' &= \sin \delta \cdot \cos \alpha. \\ c' &= n \cdot \cos \alpha. & d' &= \sin \alpha. \\ sa' &= \tan \omega \cdot \cos \delta, \end{aligned}$$

where α and δ are the mean right ascension and declination of a star; m , n and ω the precession constants, and obliquity at the epoch.

The logarithms of these quantities are found by the addition of two logarithms given in separate tables with arguments, right ascension, and declination respectively. The tables are sufficiently expanded to render all interpolations unnecessary. The signs of the constants are given by the following general rules:—

Stars North of the Equator.

R.A.	a	b	c	d	sc	a'	b'	c'	d'	sa'
0 ^h to 6 ^h	+	+	+	+	+	+	—	—	+	—
6 ^h to 12 ^h	—	+	+	—	+	+	+	+	+	—
12 ^h to 18 ^h	—	—	—	—	+	—	+	+	—	—
18 ^h to 24 ^h	+	—	—	+	+	—	—	—	—	—

Stars South of the Equator.

R.A.	a	b	c	d	sc	a'	b'	c'	d'	sa'
0 ^h to 6 ^h	+	+	—	—	+	—	+	—	+	—
6 ^h to 12 ^h	—	+	—	+	+	—	—	+	+	—
12 ^h to 18 ^h	—	—	+	+	+	+	—	+	—	—
18 ^h to 24 ^h	+	—	+	—	+	+	+	—	—	—

The star corrections are computed with the ordinary day numbers A, B, C, and D of the Nautical Almanac from the forms—

$$\text{Correction to Mean R.A.} = aA + bB + cC + dD + scC.$$

$$\text{Correction to Mean N.P.D.} = a'A + b'B + c'C + d'D + sa'A.$$

The following are examples of the use of the tables:—

(scC is sensibly constant for many hours.)

1890, Feb. 18. 68 Geminorum. R.A. $7^h 27^m 25^s$. N.P.D. $73^\circ 56' = \text{Decl. N. } 16^\circ 4'$.

	a	b	c	d	sc
R.A. Table ...	9.57122	9.96755	9.96755	9.57122	
N.P.D. Table ...	-8.84121	+8.84121	+9.58551	-8.28331	+0.4875
Day Numbers ...	-1.2122	+1.0050	-9.2670	-9.5786	-9.2670
	+9.6246	+9.8138	-8.8201	+7.4331	-9.7545
	+0.421	+0.651	-0.066	+0.003	-0.568
Corr. = $\left\{ \begin{array}{l} +1.075 \\ -0.634 \end{array} \right\} = +0^s.44.$					

	a'	b'	c'	d'	sa'
R.A. Table ...	9.96755	9.57122	9.57122	9.96755	
N.P.D. Table ...	+9.44210	+9.44210	+1.30220	+0.00000	-9.62006
Day Numbers ..	-1.2122	+1.0050	-9.2670	-9.5786	-1.2122
	-0.6219	+0.0183	-0.1404	-9.5462	+0.8323
	-4.187	+1.043	-1.382	-0.352	+6.797
Corr. = $\left\{ \begin{array}{l} +7.840 \\ -5.921 \end{array} \right\} = +1''.92.$					

1890, Feb. 18. Lacaille 1810. R.A. $5^h 17^m 19^s$. N.P.D. $114^\circ 53' = \text{Decl. S. } 24^\circ 53'$.

R.A. Table ...	9.26739	9.99243	9.99243	9.26739	
N.P.D. Table ...	+8.86622	+8.86622	-9.79247	-8.49027	+0.4875
Day Numbers ...	-1.2122	+1.0050	-9.2670	-9.5786	-9.2670
	-9.3458	+9.8637	+9.0519	+7.3363	-9.7545
	-0.222	+0.731	+0.113	+0.002	-0.568
Corr. = $\left\{ \begin{array}{l} +0.846 \\ -0.790 \end{array} \right\} = +0^s.06.$					

R.A. Table ...	9.99243	9.26739	9.26739	9.99243	
N.P.D. Table ...	-9.62405	+9.62405	-1.30220	+0.00000	-9.59505
Day Numbers ...	-1.2122	+1.0050	-9.2670	-9.5786	-1.2122
	+0.8287	+9.8964	+9.8366	-9.5710	+0.8073
	+6.741	+0.788	+0.686	-0.372	+6.417
Corr. = $\left\{ \begin{array}{l} +14.632 \\ -0.372 \end{array} \right\} = +14''.26.$					

In practice the day numbers were not written down for each star, but entered on a card, and thus conveniently added to the numbers extracted from the tables.

Fundamental Right Ascensions used in the Reductions.

The determination of the Clock-errors for the reduction of the observations contained in this Catalogue have been based generally upon the list of "Assumed Mean Right Ascensions of Clock-stars and Circumpolar-stars" issued each year from the Royal Observatory, Greenwich.

The Right Ascensions of the Greenwich Lists for the years 1880-1886 are those of the Greenwich Catalogue for 1872, brought up to the year required, with Proper Motions obtained from comparisons between recent Greenwich observations and those of Bradley, as reduced by Bessel and given in the *Fundamenta*.

But some of the Constants adopted by Bessel for the reduction of Bradley's observations differ sensibly from those which have more recently met with acceptance. And because such was the case Astronomers, some thirty years ago, became desirous that Bradley's observations should be re-reduced with the values of the Constants then in use; and this work, originally undertaken by Dr. Winnecke, was successfully completed by Dr. Auwers, and the results published in 1888. This re-reduction of Bradley's observations affords more accurate means of determining the Proper Motions of the stars observed by Bradley than were previously available; and these Proper Motions were employed to bring up from 1872 to 1887 the Right Ascensions of the Clock-stars which were used for the determinations of the Clock-errors at Oxford in the latter year, for all the stars for which the changes of Proper Motion led to differences of any practical importance.

The Right Ascensions given in the Greenwich List for 1888 have, with three exceptions, been brought up from the Greenwich Catalogue, 1872, with Auwers' Proper Motions; and these Right Ascensions were employed for the determination of the Clock-errors for the year 1888 at Oxford.

The Right Ascensions of the Greenwich Clock-star Lists 1889-1892 were, with the same exceptions, brought up from the Greenwich Catalogue for 1880 with the same Proper Motions: and the Right Ascensions thus brought up have been employed for the determination of the Clock-errors at Oxford 1889-1892. But for the determination of the Clock-errors in the year 1893, the Right Ascensions have been brought up from the Greenwich Catalogue, 1880, instead of adopting the Greenwich List for the year 1893 which is based upon the places of an unpublished Catalogue.

The Right Ascensions of Procyon, δ^2 Corvi, Sirius, and Fomalhaut have not generally been employed at Oxford for the determination of Clock-error. The Right Ascensions of the "Circumpolar Stars" employed for the determination of the Azimuthal-errors have been obtained since 1887 (see *Monthly Notices*, 1887 January) from observations made at this Observatory.

The observed Right Ascensions of the Stars near the Pole have not been used in obtaining the Mean Right Ascensions of these stars unless a good *independent* determination of the Azimuthal-error of the Transit-Circle has been available for the reduction of the observations.

It will be understood, from this account of the sources from which the Right Ascensions of the Clock-stars have been obtained, that the Right Ascensions employed for the determination of the Clock-errors during the years 1880-1893 have not been strictly derived from the same fundamental data. The effects of these changes on the resulting Right Ascensions have been carefully examined. They are far too small to justify the serious labour of a re-determination of all the Clock-errors and Rates. But this has been done, so far as the observations of the Sun are concerned, for the year 1888 as a critical test. The mean values of the corrections which would have to be applied to the Right Ascensions actually used for the determination of Clock-errors in the different years to reduce them to the standard adopted in 1890, are as follows:—

	s.
1880-1886	+ 0.0002
1887	- 0.0004
1888	+ 0.0005
1889-1893	0.0000

These corrections are quite insensible.

A considerable number of observations of the Sun were made at this Observatory during the years 1884-1891, for the determination of the "Epoch Corrections" required, and of any systematic errors in the North Polar Distances near the Ecliptic. The probable errors of observations of the Sun are not inconsiderable: and there exist also personalities in the observations of the limbs. It requires therefore a large number of observations well distributed over the year to obtain any very accurate determination of the constants involved in such discussions; and the necessary conditions cannot generally be secured in observations which extend only over a single year.

For this reason the Solar observations have been discussed separately, year by year; and by grouping the whole series. The following are the separate results:—

	No. of Obs.	$d\alpha$ s.	$d\Delta$ "	$d\omega$ "
1884	87	+ 0.049	— 0.038	+ 0.260
1885	88	+ 0.039	+ 0.061	+ 0.166
1886	69	+ 0.037	+ 0.028	+ 0.450
1887	58	— 0.017	— 0.204	+ 0.077
1888	35	— 0.086	+ 0.098	+ 0.034
1889	60	— 0.093	— 0.006	+ 0.467
1890	55	— 0.009	+ 0.131	+ 0.466
1891	77	+ 0.100	— 0.339	— 0.232

The effects of the re-reduction for the year 1888, mentioned on page viii, are as follows:—

1888	35	— 0.090	+ 0.107	+ 0.026
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In this table $d\alpha$ denotes the mean correction required by the observed Right Ascensions.

$d\Delta$ denotes the mean correction required by the observed N. P. D.

$d\omega$ denotes the mean correction required by the Tabular Obliquity.

The distribution of the observations in some of these years is not favourable for any very accurate determination of the corrections. But the mean of the results thus obtained agrees very closely with those which satisfy the three equations of condition formed by grouping the whole series of Solar Observations. The solution of the three equations thus formed leads to the values

$$d\alpha = +0.014; \quad d\Delta = -0''.015; \quad d\omega = +0''.199.$$

The value $d\alpha = +0.014$ has been adopted and applied, in the formation of the Catalogue, to all the Right Ascensions as directly found from observation.

The smallness of the correction $d\Delta = -0''.015$ will be referred to in the following section which treats of the observed North Polar Distances.

North Polar Distance Observations.

No corrections for errors of screws have been applied during the period over which the observations, whose results are contained in the present Catalogue, extend. That screws wear with use is certain. But the wear of the threads which are constantly used in making observations relatively to those which are not employed is a point of no practical importance: and the relative wear of the Declination-screw, and Circle-microscope screws for the threads which have been in regular use at Oxford have been examined from time to time, and found too small to render attempts at correction desirable.

On 1889 January 15 a new eye-piece with new screws was supplied by Mr. Simms.

The North Polar Distance of the Zenith of the Transit-Circle used in the formation of the places given in the present Catalogue is $38^\circ 14' 24''.61$.

The division-errors have been carefully examined and the necessary corrections applied.

The horizontal-flexure has been found from observations of the horizontal Collimators; and it has remained remarkably steady since the re-cutting, in 1880, of the screw by which the object-glass is attached to the Telescope-tube. The corrections found, from time to time, and applied 1880-1893, have been confined within the limits $1''.25 \sin Z.D.$ and $1''.10 \sin Z.D.$

The Zenith-point corrections used in the reductions have been determined exclusively by observations of the coincidence of the declination wire and its image in a Bohnenberger's reflecting eye-piece. But a considerable number of observations of stars by reflexion have been made, more particularly during the years 1880-1887, to test the freedom of the results from residual systematic errors. The differences which have been found to exist between the direct and reflected observations are so small that they hardly, if at all, exceed the probable errors of their determination, and no attempts therefore have been made to apply any corrections to the results for such residual discordances. The actual differences between the direct and reflected observations given by the observations will be found in the Annual Volumes. But in comparing these differences with those given for other observatories it is necessary to bear in mind that the direct and reflexion observations have not been reduced with Zenith-points which have been partially deduced from the observations themselves, but that, in order to bring prominently under view any existing systematic errors, they have been purposely reduced with Zenith-points which are quite independent of the results compared.

The Refractions used in the reductions have been computed from Bessel's *Tabulae Regiomontanae* to Zenith-distance 85° , but no breaks of continuity have been admitted in the computations, and the refractions for Zenith distances greater than 85° have been obtained by multiplying the mean refractions of the *Fundamenta* by the factor 1.003282, which is that used by Bessel to obtain the mean refractions of the *Tabulae Regiomontanae* from those of the *Fundamenta* for Zenith-distances less than 85° .

The barometer which has been used for the computations of the refractions is a Standard barometer by Newman, with its cistern placed at a height of $2\frac{1}{2}$ feet above the floor in the Transit-Circle room.

The exterior thermometer used for the reductions is Hicks 576; it is placed in a well screened, ventilated, and large crib on the North side of the Observatory, and it is the thermometer used to reduce to scale the photographic changes of the temperature of the air. A second thermometer, mounted near the south shutter opening in the Transit-Circle room, has been frequently read for comparison with the exterior thermometer, but no use has been made of these readings in the computations of the refractions. The same exterior thermometer has been used in the computations of the refractions for the reduction of the observations of stars above and below the pole, for the planets, and for the *Sun*.

The following Table gives the differences between the N.P.D.'s of stars deduced from observations above and below pole, divided into groups, with the weights and mean values of the refraction affecting each group.

N. P. D.	Weight.	Mean effects of Refraction for groups.	N. P. D. above pole <i>minus</i> N. P. D. below pole.
0. 0 — 5. 0	66.26	91.8	— 0.002
5. 0 — 15. 0	37.66	97.6	— 0.364
15. 0 — 25. 0	60.35	112.7	— 0.433
25. 0 — 38. 14	54.36	169.5	— 0.900
38. 14 — 47. 16	43.27	381.7	— 1.119

These differences would be directly affected by twice the amount of any alteration in the adopted North Polar Distance of the Zenith; by any alterations of the refractions, due either to the adoption of different mean refractions, or alterations of the circumstances of the exposure of the exterior thermometer which systematically changed its readings; and from the existence of systematic errors due to any source which depended upon the Zenith distance. The results show that the differences sensibly increase as the refraction-factors become greater; and if these differences are thrown upon the mean refractions they would indicate that the N.P.D. of the Zenith requires a small correction of about $+0''.023$, and that Bessel's mean refractions require to be diminished by about 0.0035, a result which is closely accordant with those which I have previously obtained from discussions of observations above and below the pole made at Greenwich and the Cape. A comparison between the results of the Radcliffe

observations and those contained in the Cape Catalogue 1880, leads to a very similar result; and I believe it is an established fact that Bessel's refractions require to be slightly diminished. But the corrections indicated are so small for moderate Zenith distances, and the theory upon which our Refraction Tables rest so imperfect (see my paper, *Monthly Notices*, April, 1880), that I have thought it undesirable to introduce any changes whatever in the tabular refractions. The correction on the adopted N.P.D. of the Zenith

$$38^{\circ}.14'.24''.61$$

given by the groups 0° — 15° , which are least affected by refraction errors, is only $-0''.066$, and is practically insensible. The smallness of the residual differences for the N.P.D. above and below pole for moderate Zenith distances would appear to indicate that the Radcliffe circle observations cannot be affected with any serious systematic errors; and this view is remarkably confirmed by the smallness of the mean correction

$$d\Delta = -0''.015$$

which results from the discussion of the Solar observations mentioned in the previous Section. It is to be understood that no empirical corrections whatever have been introduced to secure the accordance between the results to which attention has been called; but these agreements may, of course, to some small extent, be accidental.

Constellations.

In the division of the sky into constellations the nomenclature and boundaries adopted by Francis Baily with the sanction of Sir John Herschel have been generally followed: but no especial importance has been attached to this part of the work.

Coloured Stars.

The remarks of the observers on such stars will be found in the foot-notes of the Catalogue.

Magnitudes.

Considerable attention has been bestowed by the observers on the estimations of the magnitudes of the stars on Argelander's scale. The magnitudes given in the Catalogue which depend upon observations made at this Observatory are followed by the number of estimations upon which the adopted magnitudes are based. In other cases the magnitudes have been extracted from published results. The magnitudes of the brighter stars have been generally adopted from Argelander's *Uranometria Nova*, and these are distinguished by an asterisk. The information given in the notes on the Variable Stars observed, has been generally directly extracted from Chandler's *Second Catalogue of Variable Stars*. In the case of Variable Stars, when a number is given for the estimations made at Oxford, reference must be made to the Annual Volumes for detailed information.

Proper Motions.

A considerable number of the stars contained in the present Catalogue have been previously observed: and in such cases the observations have been generally compared for the detection of proper motions. But the resulting proper motions have not generally been used unless they are of sufficient magnitude to give rise, in a few years, to differences of practical importance, and their reality has been confirmed by comparisons between observations made at three or more well separated epochs. These proper motions cannot, of course, pretend to be *definitive* values; and make no pretensions to accuracy in the third places of decimals; but they will certainly serve to bring up the positions of the stars with far greater accuracy than would be possible without their application.

The following Catalogues, and lists of Proper Motions, have been more or less consulted and used during the progress of the work.

- AIRY. Catalogue of 2,156 Stars, formed from observations made during twelve years from 1836 to 1847, at the Royal Observatory, Greenwich. Epochs 1840 and 1845. London, 1849.
- AIRY. Catalogue of 1,576 Stars, formed from the observations made during six years, from 1848 to 1853, at the Royal Observatory, Greenwich, and reduced to the epoch 1850. London, 1856.
- AIRY. Seven-year Catalogue of 2,022 Stars, deduced from observations, extending from 1854 to 1860, at the Royal Observatory, Greenwich, and reduced to the epoch 1860. London, 1864.
- AIRY. New Seven-year Catalogue of 2,760 Stars, deduced from observations extending from 1861 to 1867, at the Royal Observatory, Greenwich, and reduced to the epoch 1864. London, 1870.
- AIRY. Nine-year Catalogue of 2,263 Stars, deduced from observations extending from 1868 to 1876, at the Royal Observatory, Greenwich, and reduced to the epoch 1872. London, 1878.
- AIRY and CHRISTIE. Ten-year Catalogue of 4,059 Stars, deduced from observations extending from 1877 to 1886, at the Royal Observatory, Greenwich, reduced to the epoch 1880.0. London, 1889.
- ARGELANDER. DLX Stellarum Fixarum Positiones Mediæ Ineunte Anno 1830. Helsingfors, 1835.
- ARGELANDER und SCHÖNFELD. Durchmusterung des Himmels, zwischen $+90^{\circ}$ und -23° . Ast. Beob., Bände III, IV, V, VIII. Bonn, 1859-1886.
- ARGELANDER. Mittlere Oerter von 33,811 Sternen, abgeleitet aus den am Meridiankreise der Bonner Sternwarte, 1845-1867. Ast. Beob., Band VI. Bonn, 1867.
- ARGELANDER. Zusammenstellung der Positionen und eigenen Bewegungen der untersuchten 250 Sterne für 1855. Ast. Beob., Band VII. Bonn.
- ARGELANDER. Untersuchungen über die Eigenbewegung des Sonnensystems auf Grund von 480 Argelander'schen teleskopischen Fixsternen. Inaugural-Dissertation von Johann Bischof. Bonn, 1884.
- ARGELANDER und WEISS. Katalog der Argelander'schen Zonen vom 15. bis 31. Grade Südlicher Declination in Mittleren Positionen für 1850.0. Herausgegeben von Dr. Edmund Weiss. Wien, 1890.
- BESSEL et WEISSE. Positiones Mediæ Stellarum Fixarum in Zonis Regiomontanis a Besselio inter -15° et $+15^{\circ}$ Declinationis Observatarum, ad annum 1825 reductæ auctore M. Weisse. Petropoli, 1846.
- BOSSERT. Supplément à l'Histoire Céleste de Lalande. Catalogue de 3,950 Étoiles pour 1800. Paris, 1892.
- BRADLEY und AUWERS. Neue Reduction der Bradley'schen Beobachtungen aus den Jahren 1750 bis 1762. St. Petersburg, 1888.
- BRISBANE. A Catalogue of 7,385 Stars, chiefly in the Southern Hemisphere. London, 1835.
- CHALLIS. Astronomical Observations made at the Observatory of Cambridge, 1849 to 1860. Cambridge, 1857-1864.
- CHANDLER. Second Catalogue of Variable Stars. Lynn, Mass., 1893.
- COPELAND und BÖRGEN. Mittlere Oerter der in den Zonen -0° und -1° der Bonner Durchmusterung enthaltenen Sterne bis zu 9^m.0 Grösse beobachtet und auf 1875.0 reducirt von Copeland und Börgen. Astronomische Mittheilungen von der Königlichen Sternwarte zu Göttingen. Göttingen, 1869.
- ELLERY. First Melbourne General Catalogue of 1,227 Stars, for the epoch 1870. Melbourne, 1874.
- ELLERY. Second Melbourne General Catalogue of 1,211 Stars, for the epoch 1880. Melbourne, 1889.
- GILLISS. A Catalogue of 1,963 stars for the epoch 1850. Washington observations for 1868, Appendix I. Washington, 1870.
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Personal.

The observations whose results are included in the present Catalogue have been chiefly made by Messrs. W. Wickham, W. H. Robinson, and F. A. Bellamy.

Mr. Wickham has filled the office of First Assistant of the Observatory since 1880, November. The work of the First Assistant has been of a miscellaneous character.

Mr. Wickham has taken an active part in the observations. He has assisted in the computations and in the examination of the reductions; and he has rendered valuable assistance in the preparation of copy for press and in the reading of proof sheets.

In my absence the First Assistant has had general charge of the Observatory.

Mr. Robinson, the Second Assistant, was appointed 1879 October, soon after I took charge of the Observatory: and I have had the advantage of his assistance during the whole period occupied in the completion of the present Catalogue. Besides taking a leading part in the observations, Mr. Robinson has performed nearly the whole of the heavy work of the Transit-Reductions with a skill and accuracy which call for my warmest acknowledgements. He has also executed for me a large number of miscellaneous computations which I have required in the preparation of the present Catalogue, and the arithmetical work required for the determination of the Proper Motions.

Mr. F. A. Bellamy filled the office of Third Assistant from 1881 August, to 1892 August 31, during which time he took an active part in the observing. Mr. Bellamy resigned, on his appointment to an Assistantship at the University Observatory, and was succeeded by Mr. E. E. McClellan.

The Third Assistant shares in the Astronomical observations; but he has general charge of the Meteorological observations and of the photography, and his services are not, therefore, largely available for the Astronomical-Reductions.

Besides the three Assistants one Computer has usually been attached to the staff. This post was held by Mr. Luff for more than forty years, during many of which his services were given gratuitously.

The value of Mr. Luff's services has been warmly acknowledged by two of my predecessors, Manuel Johnson and Robert Main, under whom he served, and I can most cordially join in the opinions which they expressed. Mr. Luff was a computer of rare skill and great accuracy, until his eyesight and other faculties began gradually to fail from old age. Mr. Luff finally ceased to compute in 1889 June, and died 1893 November 19.

Besides the observations contained in the present Catalogue, a considerable number of Heliometer observations of the planet Iris, and of miscellaneous Equatorial observations of Double Stars, Comets, Variable Stars, &c., have been secured at this Observatory since 1880.

I have thought it only fair to the staff to enter into these details. The output of an Observatory like the Radcliffe cannot be fairly estimated without taking into consideration that it is not only an Astronomical Observatory, but also a Meteorological Observatory, and that the staff is a small one.

In conclusion, I will only say that no means of securing accuracy in the results which experience has suggested to me have been neglected ; and that I hope, and believe, that the present Catalogue will compare not unfavourably with those which have been issued from other Public Observatories.

E. J. STONE.

STONE.



GENERAL CATALOGUE OF STARS

FOR

1890,

FROM OBSERVATIONS

MADE AT THE

RADCLIFFE OBSERVATORY, OXFORD,

1880 TO 1893.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
1	Ceti	6-7	1	84.82	4	0	1	12.174	+ 3.0694	- 0.0111		1
2	Ceti	6-7	...	90.09	3	0	1	41.050	+ 3.0693	- 0.0077		2
3	Ceti	8-7	2	91.75	3	0	1	45.794	+ 3.0703	- 0.0045		3
4	4 Ceti	6-7	4	84.86	5	0	2	5.926	+ 3.0718	+ 0.0004	+ 0.0006	4
5	Ceti	6	2	88.53	4	0	2	9.501	+ 3.0671	- 0.0107		5
6	Ceti	8	3	91.88	3	0	2	22.266	+ 3.0677	- 0.0083		6
7	5 Ceti	7-6	3	85.13	3	0	2	34.074	+ 3.0717	+ 0.0004	- 0.0013	7
8	Ceti	7	1	90.13	3	0	2	39.153	+ 3.0682	- 0.0061		8
9	Ceti	6-7	...	87.74	3	0	2	40.194	+ 3.0699	- 0.0030		9
10	21 Andromedæ ... a	2	1	85.63	12	0	2	42.089	+ 3.0810	+ 0.0184	+ 0.0095	10
11	Ceti	8-7	3	91.60	3	0	2	52.941	+ 3.0703	- 0.0018		11
12	Ceti	7-6	2	85.26	3	0	2	56.404	+ 3.0669	- 0.0077		12
13	Ceti	7	4	86.25	3	0	3	4.858	+ 3.0716	+ 0.0006		13
14	Piscium	7-8	1	90.14	3	0	3	14.099	+ 3.0725	+ 0.0021		14
15	Ceti	7	1	92.68	3	0	3	22.365	+ 3.0646	- 0.0098		15
16	Ceti	7-8	...	90.15	3	0	4	17.141	+ 3.0711	+ 0.0004		16
17	Ceti	7-8	3	84.94	3	0	4	25.404	+ 3.0681	- 0.0028		17
18	22 Andromedæ ...	5-6*	...	91.53	3	0	4	36.159	+ 3.0998	+ 0.0330	+ 0.0015	18
19	Ceti	6	1	82.86	3	0	4	40.932	+ 3.0697	- 0.0009		19
20	Ceti	6	2	86.23	3	0	5	4.694	+ 3.0656	- 0.0048		20
21	Ceti	7	...	90.08	3	0	5	31.731	+ 3.0703	+ 0.0001		21
22	6 Ceti	5	2	81.83	3	0	5	39.911	+ 3.0630	- 0.0064	- 0.0077	22
23	Ceti	7	3	85.18	3	0	5	58.670	+ 3.0603	- 0.0081		23
24	Ceti	7	1	84.56	3	0	6	26.400	+ 3.0628	- 0.0054		24
25	Ceti	6-5	1	90.45	3	0	6	33.327	+ 3.0597	- 0.0077		25
26	Ceti	7-8	...	90.39	3	0	7	1.781	+ 3.0712	+ 0.0013		26
27	Andromedæ ...	6-7	...	91.14	3	0	7	7.239	+ 3.1039	+ 0.0253		27
28	Ceti	7-8	1	90.43	3	0	7	17.431	+ 3.0695	+ 0.0002		28
29	Ceti	7	...	85.58	3	0	7	28.511	+ 3.0539	- 0.0103		29
30	88 Pegasi γ	3-2*	...	85.88	14	0	7	34.284	+ 3.0840	+ 0.0102	- 0.0007	30
31	Ceti	8-7	2	90.48	3	0	7	42.256	+ 3.0551	- 0.0091		31
32	Ceti	7	2	90.75	5	0	8	9.349	+ 3.0515	- 0.0106		32
33	Ceti	8	2	90.89	3	0	8	24.634	+ 3.0621	- 0.0039		33
34	Ceti	7	3	86.85	3	0	8	46.143	+ 3.0520	- 0.0094		34
35	Ceti	7-8	1	91.45	3	0	8	46.707	+ 3.0700	+ 0.0009		35
36	Ceti	5-6	1	84.26	3	0	8	50.050	+ 3.0649	- 0.0020		36
37	Ceti	7	3	85.16	3	0	8	52.440	+ 3.0586	- 0.0056		37
38	7 Ceti	4	2	87.56	3	0	9	3.046	+ 3.0538	- 0.0080	- 0.0033	38
39	Ceti	7	2	90.13	3	0	9	3.449	+ 3.0579	- 0.0057		39
40	Ceti	7	3	81.91	3	0	9	12.631	+ 3.0583	- 0.0053		40
41	Ceti	6	2	88.83	3	0	9	17.530	+ 3.0628	- 0.0028		41
42	Ceti	7-6	1	90.46	3	0	9	18.447	+ 3.0691	+ 0.0005		42
43	Ceti	8-7	1	91.83	3	0	9	40.452	+ 3.0549	- 0.0068		43
44	Cephei	6	2	82.56	8	0	9	59.586	+ 3.3124	+ 0.1444	- 0.0190	44
45	Ceti	7-8	2	91.18	3	0	10	14.292	+ 3.0660	- 0.0007		45

21. The N. P. D. of this star in Weisse's Bessel is 10° too great.
 25. Reddish star.
 37. A star of the 9-8 magnitude precedes about 12^s, and is south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
1	87.83	6	113 43 6.28	- 20.053	+ 0.011			277	47271		4		1
2	90.09	3	107 59 59.37	- 20.053	+ 0.012				47280				2
3	91.75	3	102 13 30.60	- 20.053	+ 0.012					1228			3
4	84.86	5	93 9 39.69	- 20.052	+ 0.013	- 0.026	3213	278	47300	1238		3	4
5	90.31	6	113 7 11.28	- 20.052	+ 0.013				47302		13	4	5
6	91.88	3	109 17 49.58	- 20.052	+ 0.013								6
7	85.13	3	93 3 34.46	- 20.052	+ 0.014	- 0.010	3214	280	47314	1247	16		7
8	90.13	3	105 26 11.56	- 20.052	+ 0.014				47317				8
9	87.74	3	99 26 5.86	- 20.052	+ 0.014				47318	1249			9
10	82.01	31	61 31 0.45	- 20.052	+ 0.014	+ 0.156	3215	281	47319		19	5	10
11	91.60	3	97 24 16.81	- 20.052	+ 0.014				47330				11
12	85.26	3	108 11 20.89	- 20.051	+ 0.014				47332			6	12
13	86.25	3	92 50 5.71	- 20.051	+ 0.015			282	47333	1255		7	13
14	90.14	3	89 55 10.63	- 20.051	+ 0.015				47342	1267			14
15	92.68	3	111 49 4.28	- 20.051	+ 0.015								15
16	90.15	3	93 10 22.77	- 20.049	+ 0.017			286	47374	23		13	16
17	84.94	3	99 35 11.84	- 20.049	+ 0.017				47385	28			17
18	89.47	4	44 32 23.78	- 20.049	+ 0.018	+ 0.016	3220	288	47387			15	18
19	82.86	3	95 51 34.48	- 20.049	+ 0.018			1	1	32	33		19
20	86.23	3	103 11 27.54	- 20.048	+ 0.019				19	46		16	20
21	90.08	3	93 55 59.54	- 20.047	+ 0.019			4	32	53			21
22	81.83	3	106 4 18.24	- 20.047	+ 0.020	+ 0.261	3222	5	37		41	17	22
23	85.18	3	109 12 47.04	- 20.046	+ 0.020				48				23
24	84.56	3	104 25 28.06	- 20.045	+ 0.021				67	72			24
25	90.45	3	108 32 59.51	- 20.045	+ 0.021				72			22	25
26	90.39	3	91 50 20.91	- 20.044	+ 0.022				87	81			26
27	91.14	3	52 55 5.13	- 20.043	+ 0.023				89			23	27
28	90.43	3	93 59 35.25	- 20.043	+ 0.023				99	86			28
29	85.58	3	113 4 57.61	- 20.042	+ 0.023				103		55		29
30	81.52	3	75 25 40.42	- 20.042	+ 0.023	+ 0.013	1	9	107	92	56	24	30
31	90.48	3	111 13 55.66	- 20.041	+ 0.024				124				31
32	91.26	6	113 49 28.20	- 20.040	+ 0.024				135		62		32
33	90.89	3	101 55 3.37	- 20.040	+ 0.025					102			33
34	86.85	3	111 48 4.72	- 20.038	+ 0.026				156				34
35	91.45	3	92 48 32.31	- 20.038	+ 0.026				155	109			35
36	84.26	3	98 23 32.41	- 20.038	+ 0.026				158			26	36
37	85.16	3	105 2 22.88	- 20.038	+ 0.026				162				37
38	87.56	3	109 32 32.59	- 20.037	+ 0.026	+ 0.062	4	15	169		70		38
39	90.13	3	105 24 57.06	- 20.037	+ 0.026				167				39
40	81.91	3	104 47 16.15	- 20.037	+ 0.027				179	117			40
41	88.83	3	100 10 51.81	- 20.036	+ 0.027				183		73	29	41
42	90.46	3	93 38 17.88	- 20.036	+ 0.027					122			42
43	91.83	3	107 22 2.30	- 20.035	+ 0.027				195				43
44	82.60	7	13 39 38.49	- 20.034	+ 0.030	+ 0.021	6		197			33	44
45	91.18	3	96 12 45.32	- 20.033	+ 0.029				204	135			45

10, 18, 30, 44, are respectively 1, 10, 27, 42 of the Radcliffe Catalogue, 1845.
 10, 18, 22, 30, are respectively 1, 6, 7, 8 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
46	Ceti	7	1	89.40	3	0	10	58.203	+ 3.0565	- 0.0048		46
47	Ceti	7	2	85.51	3	0	11	7.493	+ 3.0478	- 0.0087		47
48	Ceti	7	3	84.59	3	0	11	57.680	+ 3.0476	- 0.0079		48
49	Piscium	7-6	2	86.20	3	0	12	8.682	+ 3.0738	+ 0.0032		49
50	Ceti	7	1	90.15	3	0	12	10.600	+ 3.0694	+ 0.0013		50
51	Ceti	6*	...	88.20	3	0	12	20.058	+ 3.0545	- 0.0048	+ 0.0250	51
52	Ceti	7	1	90.12	3	0	12	25.476	+ 3.0725	+ 0.0026		52
53	25 Andromedæ	4-5*	...	91.10	3	0	12	34.781	+ 3.1261	+ 0.0252	- 0.0051	53
54	Ceti	6-7	3	82.49	3	0	12	42.651	+ 3.0429	- 0.0091		54
55	26 Andromedæ	6	...	91.83	3	0	12	54.323	+ 3.1430	+ 0.0318	+ 0.0022	55
56	Ceti	7-6	3	84.53	3	0	13	1.916	+ 3.0609	- 0.0018		56
57	Ceti	8	2	90.78	3	0	13	11.444	+ 3.0568	- 0.0034		57
58	8 Ceti	3-4	7	86.44	39	0	13	49.332	+ 3.0591	- 0.0022	- 0.0032	58
59	Ceti	7	2	85.55	3	0	13	59.401	+ 3.0613	- 0.0014		59
60	Ceti	7	3	86.93	3	0	14	13.366	+ 3.0680	+ 0.0011		60
61	Ceti	7-6	...	90.42	3	0	14	27.972	+ 3.0446	- 0.0070		61
62	Ceti	7	1	89.84	3	0	14	34.623	+ 3.0518	- 0.0044		62
63	Ceti	9-8	3	90.85	3	0	15	11.884	+ 3.0702	+ 0.0020		63
64	Ceti	7	3	86.53	3	0	15	15.476	+ 3.0325	- 0.0103		64
65	Ceti	7	4	84.60	5	0	15	26.163	+ 3.0670	+ 0.0010		65
66	Ceti	7-8	3	90.39	3	0	15	35.483	+ 3.0663	+ 0.0008		66
67	Sculptoris	5	...	80.89	3	0	15	59.467	+ 3.0196	- 0.0135		67
68	Ceti	6-7	2	82.43	3	0	16	12.061	+ 3.0369	- 0.0082		68
69	Ceti	7-8	1	89.16	3	0	16	37.422	+ 3.0627	- 0.0002		69
70	9 Ceti	6*	...	84.23	3	0	17	13.517	+ 3.0497	- 0.0038	+ 0.0262	70
71	Ceti	7	2	84.94	3	0	17	29.388	+ 3.0422	- 0.0058		71
72	Ceti	7	1	89.83	3	0	17	51.150	+ 3.0357	- 0.0074		72
73	Andromedæ	7-6	...	87.55	4	0	18	14.227	+ 3.1739	+ 0.0331		73
74	Ceti S	Var.	3	89.45	3	0	18	27.669	+ 3.0536	- 0.0022		74
75	Ceti	6-7	3	81.86	3	0	18	52.447	+ 3.0671	+ 0.0015		75
76	44 Piscium	6	4	88.34	24	0	19	45.782	+ 3.0752	+ 0.0037	- 0.0028	76
77	Ceti	7-8	1	89.78	3	0	19	49.169	+ 3.0349	- 0.0065		77
78	45 Piscium	7-6	2	85.78	3	0	20	1.545	+ 3.0870	+ 0.0067	+ 0.0002	78
79	Cephei	6	2	82.57	8	0	20	4.667	+ 3.7003	+ 0.2277	+ 0.0099	79
80	Ceti	8	2	90.16	3	0	20	10.067	+ 3.0245	- 0.0088		80
81	Sculptoris	7-6	...	84.16	3	0	20	14.847	+ 3.0089	- 0.0123		81
82	Ceti	6-7	1	84.92	3	0	20	48.675	+ 3.0300	- 0.0071		82
83	10 Ceti	6-7	5	83.90	4	0	20	58.902	+ 3.0711	+ 0.0028	+ 0.0038	83
84	Ceti	8	2	90.80	3	0	21	2.844	+ 3.0405	- 0.0045		84
85	Ceti	7	2	84.05	4	0	21	28.602	+ 3.0602	+ 0.0002		85
86	Ceti	8-9	2	90.84	3	0	21	32.094	+ 3.0538	- 0.0013		86
87	Ceti	7-6	1	85.81	3	0	22	4.904	+ 3.0238	- 0.0078		87
88	Ceti	7-8	1	89.73	3	0	22	25.458	+ 3.0441	- 0.0032		88
89	Ceti	6-7	1	86.92	3	0	22	50.091	+ 3.0216	- 0.0078		89
90	Ceti	7	1	83.84	3	0	22	57.676	+ 3.0444	- 0.0029		90

69. The R. A. given in Weisse's Bessel for this star is 1^m too small.
 74. The limits of magnitude are 7 and 12: the period is 321 days.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. " " "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
46	89.40	3	104 0 51.80	-20.030	+0.030				224	144			46
47	85.51	3	110 49 16.75	-20.029	+0.030				234				47
48	84.59	3	109 39 44.06	-20.026	+0.032			31	257				48
49	86.20	3	88 55 22.35	-20.025	+0.032			33	260			40	49
50	90.15	3	92 28 27.06	-20.025	+0.032			34	264	171			50
51	88.20	3	104 4 1.13	-20.024	+0.033	+0.030			275	178		41	51
52	90.12	3	89 59 40.82	-20.024	+0.033				310				52
53	88.18	3	53 49 29.35	-20.023	+0.034	+0.047	12	35	281			42	53
54	82.49	3	111 44 57.55	-20.022	+0.033				291				54
55	89.37	3	46 49 12.15	-20.021	+0.034	-0.016	13	37	293			44	55
56	84.53	3	98 39 33.30	-20.021	+0.034				305	185			56
57	90.78	3	101 33 35.23	-20.020	+0.034			39	309	189			57
58	81.84	11	99 26 1.23	-20.017	+0.036	+0.032	14	42	322		101	45	58
59	85.55	3	97 49 50.35	-20.016	+0.036					199			59
60	86.93	3	93 5 26.79	-20.015	+0.036				341	204			60
61	90.42	3	108 18 40.63	-20.013	+0.037				347				61
62	89.84	3	103 40 22.14	-20.012	+0.037			44		215			62
63	90.85	3	91 28 53.79	-20.009	+0.038				382	225			63
64	86.53	3	114 14 28.23	-20.009	+0.038				385		110		64
65	84.60	5	93 31 12.88	-20.007	+0.039				390				65
66	90.39	3	93 55 27.34	-20.006	+0.039					235			66
67	80.89	3	119 35 23.04	-20.004	+0.039			50	402		118	53	67
68	82.43	3	110 40 4.92	-20.003	+0.040				405				68
69	89.16	3	95 48 6.24	-20.000	+0.041				414	236			69
70	84.23	3	102 49 16.69	-19.996	+0.042	-0.063	20	55	427	261	125		70
71	84.94	3	106 33 12.76	-19.994	+0.042			56	434				71
72	89.83	3	109 30 2.92	-19.992	+0.043				446				72
73	86.61	4	46 20 42.77	-19.989	+0.045								73
74	89.45	3	99 56 16.26	-19.988	+0.044								74
75	81.87	4	92 49 38.75	-19.985	+0.045			60	477	286	139		75
76	87.14	4	88 40 10.61	-19.978	+0.047	+0.011	25	64	512	298		57	76
77	89.78	3	108 2 6.92	-19.978	+0.047				518				77
78	85.78	3	82 55 1.34	-19.977	+0.048	+0.049	26	65	523	302		59	78
79	82.62	8	10 33 24.99	-19.976	+0.056	+0.010	24		490			58	79
80	90.16	3	112 14 27.07	-19.976	+0.047				533		148		80
81	84.16	3	118 19 7.64	-19.975	+0.047				540		149		81
82	84.92	3	109 18 9.21	-19.971	+0.049				552				82
83	83.90	4	90 39 31.03	-19.969	+0.050	-0.012	29	70	555		156	61	83
84	90.80	3	104 38 12.08	-19.969	+0.049					315			84
85	84.05	4	95 36 43.00	-19.965	+0.050			72	573	324	157		85
86	90.84	3	98 29 8.78	-19.965	+0.050					328			86
87	85.81	3	110 44 37.41	-19.960	+0.051				599				87
88	89.73	3	102 16 2.25	-19.957	+0.052			78	611				88
89	86.92	3	110 56 24.24	-19.954	+0.052				626			64	89
90	83.84	3	101 50 44.26	-19.953	+0.053				635	343			90

55, 58, 73, are respectively 57, 61, 83 of the Radcliffe Catalogue, 1845.

50, 58, 70, 75, 78, 79, 83, 85, are respectively 19, 21, 24, 25, 27, 26, 29, 30 of the Radcliffe Catalogue, 1860.

51. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A. h. m. s.	Precess. s.	Sec. Var. s.	Proper Motion. s.	No.
91	Ceti	7-8	3	86.23	3	0 23 52.063	+ 3.0626	+ 0.0012		91
92	Ceti	7	2	85.28	3	0 24 1.171	+ 3.0641	+ 0.0015		92
93	11 Ceti	7-8	...	89.80	3	0 24 16.514	+ 3.0682	+ 0.0024	+ 0.0096	93
94	Ceti	6-7	1	89.82	3	0 24 17.297	+ 3.0334	- 0.0047		94
95	12 Ceti	6	6	87.65	30	0 24 25.477	+ 3.0611	+ 0.0009	- 0.0003	95
96	Ceti	6-5	2	82.22	3	0 24 52.603	+ 3.0068	- 0.0096		96
97	Ceti	7-6	1	84.88	3	0 25 25.342	+ 3.0446	- 0.0022		97
98	Ceti	8	...	91.15	3	0 25 40.760	+ 3.0122	- 0.0081		98
99	Ceti	8-9	4	91.39	4	0 25 44.361	+ 3.0256	- 0.0057		99
100	Ceti	7-6	2	81.83	3	0 26 3.218	+ 3.0661	+ 0.0022		100
101	Ceti	7	3	87.20	3	0 26 32.500	+ 3.0198	- 0.0063		101
102	Ceti	8-9	1	91.15	3	0 26 32.772	+ 3.0371	- 0.0032		102
103	15 Cassiopeiae ... κ	4-5*	...	85.66	3	0 26 44.986	+ 3.3693	+ 0.0708	+ 0.0004	103
104	Ceti	7	1	87.88	3	0 27 34.764	+ 3.0600	+ 0.0012		104
105	Ceti	7-8	2	88.89	3	0 27 51.442	+ 3.0691	+ 0.0029		105
106	Sculptoris	6-5	...	86.78	3	0 28 14.397	+ 2.9770	- 0.0127		106
107	Ceti	7	2	84.64	4	0 28 51.917	+ 3.0516	- 0.0002		107
108	Ceti	7-6	2	82.83	3	0 28 52.762	+ 3.0573	+ 0.0008		108
109	13 Ceti	6	2	86.83	4	0 29 35.125	+ 3.0599	+ 0.0014	+ 0.0265	109
110	Ceti	8	2	91.25	3	0 29 48.230	+ 3.0122	- 0.0063		110
111	14 Ceti	6	5	84.59	5	0 29 54.005	+ 3.0691	+ 0.0030	+ 0.0083	111
112	Ceti	8	1	90.77	3	0 30 11.834	+ 3.0462	- 0.0008		112
113	Ceti	7-6	1	84.19	3	0 30 24.193	+ 3.0534	+ 0.0004		113
114	Ceti	7-6	2	82.18	3	0 30 31.345	+ 3.0230	- 0.0044		114
115	Ceti	6-7	3	83.67	4	0 30 38.442	+ 2.9952	- 0.0086		115
116	Andromedæ	6*	...	86.61	3	0 30 47.887	+ 3.2448	+ 0.0352		116
117	17 Cassiopeiae ... ζ	4-3	2	81.55	5	0 30 50.595	+ 3.3131	+ 0.0494	+ 0.0017	117
118	29 Andromedæ ... π	4*	...	89.74	3	0 31 0.314	+ 3.1901	+ 0.0243	- 0.0004	118
119	Ceti	8-7	2	92.12	3	0 31 17.644	+ 3.0347	- 0.0024		119
120	Ceti	8	3	91.58	3	0 32 3.173	+ 3.0407	- 0.0013		120
121	15 Ceti	7-6	4	84.05	5	0 32 26.988	+ 3.0688	+ 0.0031	- 0.0056	121
122	30 Andromedæ ... ε	4	1	88.37	18	0 32 44.574	+ 3.1768	+ 0.0209	- 0.0184	122
123	Ceti	7	5	85.36	4	0 33 2.054	+ 2.9992	- 0.0070		123
124	Ceti	7-8	3	87.21	3	0 33 8.723	+ 2.9859	- 0.0088		124
125	Ceti	8	1	91.13	3	0 33 41.599	+ 3.0637	+ 0.0025		125
126	Ceti	7	2	82.15	3	0 34 10.712	+ 3.0312	- 0.0022		126
127	18 Cassiopeiae ... α	Var.	...	85.52	3	0 34 15.859	+ 3.3670	+ 0.0558	+ 0.0035	127
128	Ceti	8-9	3	91.19	3	0 34 31.837	+ 3.0206	- 0.0035		128
129	Ceti	7-6	3	84.95	3	0 34 57.394	+ 3.0099	- 0.0049		129
130	Ceti	6	2	81.88	5	0 35 0.401	+ 2.9803	- 0.0087	+ 0.0430	130
131	Ceti	6	2	84.23	3	0 35 6.334	+ 3.0548	+ 0.0014		131
132	Ceti	7	1	88.91	3	0 35 12.543	+ 3.0443	- 0.0001		132
133	Ceti	7-6	2	86.86	3	0 36 41.100	+ 3.0256	- 0.0024		133
134	Andromedæ Nova ...	Var.	...	85.74	4	0 36 42.869	+ 3.2557	+ 0.0322		134
135	Ceti	8-7	1	89.75	3	0 37 11.934	+ 2.9904	- 0.0066		135

97. A star of the 9-8 magnitude follows about 6^s, and has nearly the same N. P. D.
 108. Double: Companion of the 8-7 magnitude.
 131. A star of the 9 magnitude precedes, and is slightly north.
 134. The new star in the nebula of Andromeda; estimated magnitudes from 8.0 on 1885 September 9, to 14.0 on 1885 December 10.
 127. The limits of magnitude are 2.2 and 2.8: the period is irregular.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
91	86.23	3	94 4 40.43	-19.944	+0.055			83		364			91
92	85.20	4	93 26 49.93	-19.943	+0.055					366			92
93	89.80	3	91 43 24.37	-19.941	+0.056	+0.063	36	87	664	369	175		93
94	89.82	3	105 28 17.31	-19.941	+0.055			88	666		176		94
95	82.64	8	94 33 53.54	-19.939	+0.056	+0.009	38	89	669	371	178	69	95
96	82.22	3	114 23 46.19	-19.935	+0.056			91	698		179	70	96
97	84.88	3	100 41 30.44	-19.930	+0.058			96	718	387			97
98	91.15	3	111 57 31.30	-19.927	+0.058								98
99	91.57	3	107 24 4.07	-19.927	+0.058				734				99
100	81.83	3	92 24 3.10	-19.923	+0.059					398			100
101	87.20	3	108 49 43.07	-19.919	+0.060			100	759				101
102	91.15	3	102 54 7.50	-19.919	+0.060				756	410			102
103	81.73	16	27 40 31.16	-19.917	+0.066	+0.019	43	99				73	103
104	87.88	3	94 27 17.76	-19.908	+0.062			106	797	434			104
105	88.89	3	91 12 53.91	-19.905	+0.063			107	806	439			105
106	86.78	3	120 9 51.73	-19.901	+0.062			109	826		197		106
107	84.64	4	97 6 26.81	-19.894	+0.065				840	460			107
108	82.83	3	95 9 11.66	-19.894	+0.065			113	837	461	206		108
109	86.63	5	94 11 54.29	-19.886	+0.066	+0.021	50	117	865	472	213		109
110	91.25	3	109 10 6.76	-19.884	+0.066								110
111	84.59	5	91 6 35.99	-19.882	+0.067	+0.090	51	120	880	479	215		111
112	90.77	3	98 30 27.25	-19.879	+0.067								112
113	84.19	3	96 10 23.24	-19.877	+0.067					488			113
114	82.18	3	105 34 37.83	-19.876	+0.067				911				114
115	83.67	4	113 26 48.05	-19.874	+0.067				916		220		115
116	88.18	3	46 7 6.07	-19.872	+0.072			124	907			83	116
117	81.71	6	36 42 29.94	-19.872	+0.073	+0.012	52	123	902			84	117
118	83.30	4	56 53 10.01	-19.870	+0.071	0.000	53	125	920			85	118
119	92.12	3	101 44 0.16	-19.866	+0.069					498			119
120	91.58	3	99 40 43.39	-19.857	+0.070				961				120
121	84.05	5	91 6 30.39	-19.852	+0.072	+0.025	55	133	972	515	231	91	121
122	84.99	4	61 17 7.83	-19.849	+0.075	+0.251	56	134	976		233	92	122
123	85.36	4	110 54 6.74	-19.845	+0.071				987				123
124	87.21	3	114 12 9.93	-19.844	+0.071				997				124
125	91.13	3	92 34 19.81	-19.837	+0.074					535			125
126	82.15	3	101 45 4.97	-19.831	+0.074			142	1031	548			126
127	83.80	6	34 3 57.30	-19.829	+0.082	+0.038	59	139	1017			95	127
128	91.19	3	104 29 20.59	-19.826	+0.075					553			128
129	84.95	3	107 7 11.63	-19.820	+0.075			144	1064				129
130	81.60	4	114 23 54.75	-19.820	+0.075	+0.350			1065		249		130
131	84.23	3	94 57 20.28	-19.819	+0.077			146	1069	565	251		131
132	88.91	3	97 50 0.69	-19.817	+0.076				1073	568			132
133	86.86	3	102 24 26.65	-19.797	+0.079			152	1119		260		133
134	85.74	6	49 20 6.79	-19.796	+0.084							98	134
135	89.75	3	110 47 47.80	-19.789	+0.079			155	1135		267		135

95, 103, 109, 116, 117, 127, are respectively 107, 126, 148, 158, 157, 176 of the Radcliffe Catalogue, 1845.

93, 94, 95, 105, 108, 109, 111, 122, 127, 131, are respectively 34, 35, 37, 45, 48, 51, 53, 58, 64, 66 of the Radcliffe Catalogue, 1860.

130. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R. A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
136	Ceti	7	1	84.19	3	0 37 17.419	+ 3.0323	- 0.0014		136
137	20 Cassiopeiæ	5	2	81.60	6	0 37 22.871	+ 3.3007	+ 0.0395	- 0.0027	137
138	Ceti	7	2	87.21	3	0 37 25.084	+ 3.0556	+ 0.0017		138
139	Ceti	7-8	2	90.12	3	0 37 43.478	+ 3.0458	+ 0.0004		139
140	16 Ceti	2	3	86.22	45	0 38 3.987	+ 2.9982	- 0.0054	+ 0.0147	140
141	Ceti	6	1	89.22	3	0 38 17.589	+ 3.0228	- 0.0024		141
142	17 Ceti	5-6	3	86.18	3	0 38 38.392	+ 3.0281	- 0.0016	- 0.0027	142
143	Ceti	8-7	2	91.22	3	0 38 39.154	+ 3.0390	- 0.0002		143
144	Ceti	9-8	3	91.56	3	0 38 47.082	+ 3.0129	- 0.0034		144
145	Ceti	5	1	88.76	3	0 39 17.713	+ 2.9775	- 0.0074		145
146	Ceti	7-6	1	90.15	3	0 39 30.911	+ 3.0711	+ 0.0039		146
147	Ceti	6-7	1	82.92	3	0 39 48.064	+ 3.0513	+ 0.0014		147
148	18 Ceti	6-7	3	84.94	3	0 39 57.151	+ 3.0169	- 0.0027	- 0.0047	148
149	Ceti	7-6	2	82.49	3	0 40 11.718	+ 3.0011	- 0.0045		149
150	Ceti	6-5	2	84.92	3	0 40 43.595	+ 2.9716	- 0.0076		150
151	Sculptoris	7-6	...	87.21	3	0 41 15.759	+ 2.9298	- 0.0117		151
152	Ceti	7-8	1	90.43	3	0 41 59.941	+ 3.0601	+ 0.0027		152
153	Ceti	9-10	3	90.48	3	0 42 9.330	+ 3.0392	+ 0.0003		153
154	Ceti	6	2	83.87	3	0 42 14.284	+ 2.9898	- 0.0052		154
155	Ceti	8	4	87.61	3	0 42 22.617	+ 3.0689	+ 0.0038		155
156	Ceti	8	1	90.48	3	0 42 22.690	+ 3.0294	- 0.0008		156
157	Piscium	8-7	1	90.13	3	0 42 28.397	+ 3.1098	+ 0.0088		157
158	Piscium	8-9	1	90.50	3	0 42 34.112	+ 3.1145	+ 0.0094		158
159	Ceti	6	1	87.20	3	0 42 34.405	+ 2.9711	- 0.0070		159
160	25 Cassiopeiæ	5*	...	84.83	4	0 42 36.100	+ 3.3708	+ 0.0465	+ 0.0022	160
161	63 Piscium	5-4	5	85.17	26	0 42 58.487	+ 3.1030	+ 0.0079	+ 0.0035	161
162	Ceti	7-8	1	90.55	3	0 43 39.785	+ 2.9715	- 0.0066		162
163	Ceti	6	3	82.62	3	0 43 48.499	+ 2.9555	- 0.0082		163
164	Ceti	6	1	84.28	3	0 43 53.950	+ 3.0083	- 0.0027		164
165	Ceti	7-6	3	90.47	3	0 44 8.370	+ 2.9588	- 0.0078		165
166	Ceti	7	3	86.23	3	0 44 16.921	+ 3.0688	+ 0.0039		166
167	Piscium	9-8	1	90.87	3	0 44 27.504	+ 3.1237	+ 0.0104		167
168	19 Ceti	6-5	1	87.88	3	0 44 36.939	+ 3.0211	- 0.0012	- 0.0178	168
169	Ceti	8-7	1	90.78	3	0 44 46.914	+ 2.9957	- 0.0039		169
170	Piscium	9-8	2	90.78	3	0 44 49.830	+ 3.1174	+ 0.0096		170
171	Ceti	7	2	81.83	3	0 45 33.811	+ 3.0464	+ 0.0015	+ 0.0220	171
172	Ceti	7	2	84.95	3	0 45 47.208	+ 3.0257	- 0.0006		172
173	Piscium	7	1	90.55	3	0 45 49.274	+ 3.1298	+ 0.0109		173
174	Ceti	7	1	82.90	3	0 45 56.284	+ 3.0551	+ 0.0025		174
175	Piscium	8-9	2	90.76	3	0 46 23.514	+ 3.1199	+ 0.0097		175
176	Piscium	7-8	...	90.45	3	0 46 43.206	+ 3.1352	+ 0.0115		176
177	Piscium	8-9	1	91.43	3	0 47 3.750	+ 3.1167	+ 0.0094		177
178	Ceti	8-7	...	90.78	3	0 47 4.914	+ 2.9706	- 0.0057		178
179	Ceti	6-5	2	88.90	3	0 47 16.398	+ 2.9471	- 0.0078		179
180	20 Ceti	5	5	87.10	14	0 47 23.122	+ 3.0641	+ 0.0036	- 0.0022	180

No.	Mean Time of Observation.	Number of Observations	Mean N.P.D. " " "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
136	84.19	3	100 31 26.79	-19.788	+0.080				1137	613			136
137	81.60	8	43 34 37.43	-19.787	+0.087	+0.024	67	154	1126				137
138	87.21	3	94 27 33.44	-19.786	+0.081			157	1138	614	270		138
139	90.12	3	96 56 22.72	-19.782	+0.081				1148	619			139
140	82.64	12	108 35 25.48	-19.777	+0.081	-0.034	70	159	1155		277	100	140
141	89.22	3	102 36 29.47	-19.774	+0.082			161	1168	630			141
142	86.18	3	101 12 31.09	-19.769	+0.083	+0.113	71	163	1174	637	282	105	142
143	91.22	3	98 29 25.79	-19.769	+0.083				1175	633			143
144	91.56	3	104 50 11.21	-19.767	+0.083								144
145	88.76	3	112 36 39.12	-19.759	+0.083			166	1196		286	108	145
146	90.15	3	90 20 49.38	-19.756	+0.085			167	1199		291		146
147	82.92	3	95 13 55.60	-19.752	+0.085			171	1215	654	294		147
148	84.94	3	103 28 35.33	-19.749	+0.085	+0.212	73	172	1220	659	295		148
149	82.49	3	107 1 32.78	-19.746	+0.085			174	1227				149
150	84.92	3	113 7 23.17	-19.737	+0.085				1245		306	111	150
151	87.21	3	120 47 31.48	-19.729	+0.085						307		151
152	90.43	3	92 55 22.62	-19.717	+0.090				1285				152
153	90.48	3	97 45 17.94	-19.715	+0.090								153
154	83.87	3	108 39 47.69	-19.714	+0.088				1294				154
155	87.61	3	90 50 32.92	-19.711	+0.091				1296				155
156	90.48	3	99 57 12.51	-19.711	+0.090				1297	703			156
157	90.13	3	81 22 43.13	-19.710	+0.092					704			157
158	90.50	3	80 20 28.45	-19.708	+0.092					707			158
159	87.20	3	112 19 21.71	-19.708	+0.089				1304		315	119	159
160	85.15	4	39 37 55.39	-19.707	+0.099	+0.015	83	187	1288			118	160
161	81.86	13	83 0 48.33	-19.702	+0.093	+0.037	85	192	1312	714	318	120	161
162	90.55	3	111 45 0.48	-19.690	+0.091				1344				162
163	82.62	3	114 44 5.39	-19.688	+0.090				1348		322		163
164	84.28	3	104 9 28.87	-19.687	+0.092			198	1349	729	324	123	164
165	90.47	3	113 57 41.43	-19.682	+0.091				1363		326		165
166	86.23	3	90 49 24.40	-19.680	+0.094				1361	732			166
167	90.87	3	78 46 4.27	-19.677	+0.096					734			167
168	87.88	3	101 14 12.19	-19.674	+0.094	+0.225	89	201	1374	740	328		168
169	90.78	3	106 28 40.12	-19.672	+0.093				1385				169
170	90.78	3	80 11 15.05	-19.671	+0.097				1378	743			170
171	81.83	3	95 38 3.72	-19.658	+0.096	+0.100			1405	759			171
172	84.95	3	100 0 15.84	-19.654	+0.096			210	1421	767			172
173	90.55	3	77 48 48.34	-19.654	+0.099			208	1416	764			173
174	82.93	4	93 44 29.34	-19.652	+0.097				1424	771			174
175	90.76	3	79 59 47.76	-19.644	+0.100				1432				175
176	90.45	3	76 56 56.46	-19.638	+0.101				1447	781			176
177	91.43	3	80 47 34.99	-19.632	+0.101				1459	789			177
178	90.78	3	110 29 33.37	-19.631	+0.097								178
179	88.90	3	114 36 17.13	-19.628	+0.096				1477		342	132	179
180	84.37	4	91 44 30.49	-19.626	+0.100	+0.009	93	213	1474		343	133	180

137, 140, 160, 161, 180, are respectively 190, 194, 217, 221, 240 of the Radcliffe Catalogue, 1845.

138, 140, 142, 146, 148, 161, 164, 168, 180, are respectively 68, 69, 70, 72, 73, 84, 89, 91, 92 of the Radcliffe Catalogue, 1860.

171. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
181	Ceti	7-8	2	90°92	3	0 47 40.133	+ 2.9815	- 0.0046		181
182	Ceti	6-7	2	81°61	4	0 47 48.426	+ 2.9412	- 0.0082		182
183	Ceti	7-6	4	84°23	3	0 48 5.194	+ 3.0475	+ 0.0020		183
184	Piscium	8	1	91°04	3	0 48 6.053	+ 3.1242	+ 0.0101		184
185	26 Cassiopeiæ ... v ¹	6-5*	...	86°58	6	0 48 28.495	+ 3.5284	+ 0.0659	- 0.0089	185
186	21 Ceti	6-7	2	81°88	3	0 48 44.561	+ 3.0261	0.0000	+ 0.0003	186
187	Piscium	8-9	...	91°46	3	0 49 15.088	+ 3.1344	+ 0.0112		187
188	Ceti	8	2	91°22	3	0 49 54.543	+ 2.9527	- 0.0065		188
189	Ceti	8	1	90°77	3	0 49 59.194	+ 3.0049	- 0.0019		189
190	27 Cassiopeiæ ... γ	2*	...	87°78	3	0 50 4.194	+ 3.5768	+ 0.0719	+ 0.0013	190
191	Ceti	6	2	82°92	3	0 50 8.760	+ 3.0320	+ 0.0007		191
192	Piscium	7-6	...	89°80	3	0 50 22.896	+ 3.1417	+ 0.0118		192
193	Ceti	7-8	1	90°18	3	0 50 26.214	+ 3.0504	+ 0.0025		193
194	22 Ceti φ ³	6-5	4	84°68	5	0 50 30.429	+ 3.0111	- 0.0012	- 0.0045	194
195	Ceti	7-8	2	88°87	3	0 50 35.107	+ 3.0281	+ 0.0003		195
196	37 Andromedæ ... μ	4*	...	87°42	6	0 50 38.795	+ 3.3007	+ 0.0307	+ 0.0005	196
197	Piscium	9	1	91°48	3	0 50 43.584	+ 3.1355	+ 0.0112		197
198	Ceti	8-9	2	91°21	3	0 51 3.857	+ 2.9919	- 0.0028		198
199	Ceti	7	2	84°27	3	0 51 10.685	+ 3.0553	+ 0.0030		199
200	Ceti	7-8	2	89°55	3	0 51 34.895	+ 3.0712	+ 0.0046		200
201	Piscium	8-9	...	90°77	3	0 51 36.077	+ 3.1350	+ 0.0111		201
202	Piscium	6	1	89°73	3	0 52 8.167	+ 3.1426	+ 0.0117		202
203	Ceti	7	3	86°92	3	0 52 11.725	+ 2.9651	- 0.0049		203
204	Ceti	7-6	2	84°95	3	0 52 13.184	+ 3.0601	+ 0.0036		204
205	Ceti	8-7	...	85°91	3	0 52 16.069	+ 2.9836	- 0.0033		205
206	Cephei U	Var.	19	81°35	17	0 52 32.576	+ 5.0535	+ 0.4383		206
207	Ceti	8	2	90°84	3	0 52 41.099	+ 2.9835	- 0.0032		207
208	Ceti	8-7	2	90°12	4	0 52 41.416	+ 2.9836	- 0.0033		208
209	Ceti	7-6	3	84°23	3	0 53 11.461	+ 3.0376	+ 0.0015		209
210	23 Ceti φ ⁴	6	2	82°89	3	0 53 13.339	+ 3.0073	- 0.0011	- 0.0046	210
211	Ceti	7	1	90°74	3	0 53 18.154	+ 2.9590	- 0.0051		211
212	Piscium	9-8	1	91°42	3	0 53 56.890	+ 3.1503	+ 0.0123		212
213	Piscium	6	1	86°21	3	0 54 7.524	+ 3.1048	+ 0.0079	- 0.0012	213
214	Ceti	7-8	1	90°50	3	0 54 17.742	+ 3.0233	+ 0.0004		214
215	Ceti	7	3	90°84	4	0 54 26.507	+ 3.0582	+ 0.0036		215
216	Ceti	7	2	82°17	3	0 55 3.529	+ 3.0600	+ 0.0038		216
217	Ceti	7	4	90°30	4	0 55 15.423	+ 2.9520	- 0.0052		217
218	Ceti	7	1	90°50	3	0 55 18.183	+ 3.0164	0.0000		218
219	Ceti	7-8	2	86°85	3	0 55 26.816	+ 3.0431	+ 0.0023		219
220	Cephei	8	7	83°33	8	0 55 27.665	+ 5.1831	+ 0.4577		220
221	Piscium	8-7	1	91°49	3	0 55 28.756	+ 3.1324	+ 0.0105		221
222	Piscium	8	1	91°44	3	0 55 35.979	+ 3.1368	+ 0.0110		222
223	Ceti	7	1	90°50	3	0 56 0.781	+ 3.0305	+ 0.0013		223
224	Ceti	7-6	3	83°87	3	0 56 10.994	+ 2.9742	- 0.0033		224
225	Sculptoris σ	6-5	...	90°15	4	0 57 10.994	+ 2.8651	- 0.0107		225

195. The R. A. given in Weisse's Bessel for this star is 1^m too small.

203. The magnitude and R. A. of this star agree closely with those of Lalande 1645, but the N. P. D. is 1° smaller.

206. A variable of the Algol type. The limits of magnitude are 7.1 and 9.2: the period is 2^d 12^h.

224. A star of the 8-9 magnitude precedes 18^s, and is 2' south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
181	90° 92	3	108 14 59.44	- 19.621	+ 0.098				1489				181
182	81° 61	4	115 22 33.29	- 19.618	+ 0.097				1496		346		182
183	84° 23	3	95 7 22.57	- 19.613	+ 0.101				1499				183
184	91° 04	3	79 28 28.15	- 19.613	+ 0.103				1497	807			184
185	87° 39	7	31 37 22.90	- 19.606	+ 0.116	+ 0.080	94	217	1490				185
186	81° 88	3	99 20 10.07	- 19.601	+ 0.102	+ 0.042	98	222	1523	816	352		186
187	91° 46	3	77 44 55.40	- 19.592	+ 0.106					810			187
188	91° 22	3	112 31 43.63	- 19.579	+ 0.101								188
189	90° 77	3	103 8 57.61	- 19.578	+ 0.103				1568	833			189
190	84° 47	9	29 52 44.64	- 19.576	+ 0.122	+ 0.015	99	225	1548			138	190
191	82° 92	3	97 56 30.77	- 19.575	+ 0.104			230	1575	837	360	141	191
192	89° 80	3	76 38 38.36	- 19.570	+ 0.108			231	1576	839			192
193	90° 18	3	94 20 3.15	- 19.570	+ 0.106				1584	845			193
194	84° 68	5	101 51 44.76	- 19.568	+ 0.104	+ 0.019	103	235	1589	847	364		194
195	88° 87	3	98 37 6.74	- 19.566	+ 0.105				1594	830			195
196	91° 17	3	52 5 50.23	- 19.565	+ 0.114	- 0.049	101	232	1578			145	196
197	91° 48	3	77 52 56.09	- 19.564	+ 0.109					849			197
198	91° 21	3	105 15 42.99	- 19.557	+ 0.105								198
199	84° 27	3	93 19 27.42	- 19.555	+ 0.107				1617				199
200	89° 55	3	90 15 9.40	- 19.547	+ 0.108				1626	861			200
201	90° 77	3	78 9 54.34	- 19.547	+ 0.110								201
202	89° 73	3	76 53 55.73	- 19.536	+ 0.112			243	1640	873		149	202
203	86° 92	3	109 35 37.54	- 19.535	+ 0.106								203
204	84° 95	3	92 21 38.61	- 19.535	+ 0.109				1643	880			204
205	85° 91	3	106 22 52.68	- 19.534	+ 0.107				1648				205
206	81° 45	17	8 43 3.48	- 19.529	+ 0.176								206
207	90° 12	4	106 16 45.62	- 19.525	+ 0.108				1661				207
208	90° 84	3	106 16 40.27	- 19.525	+ 0.108				1661				208
209	84° 23	3	96 28 28.23	- 19.516	+ 0.110				1681	890			209
210	82° 89	3	101 58 25.29	- 19.515	+ 0.109	+ 0.024	106	249	1684	892	376		210
211	90° 74	3	110 13 34.83	- 19.513	+ 0.108				1691			151	211
212	91° 42	3	75 59 2.61	- 19.500	+ 0.116					905			212
213	86° 21	3	84 6 36.80	- 19.497	+ 0.114	0.000	107	252	1708	911	383	155	213
214	90° 50	3	98 55 4.02	- 19.493	+ 0.112				1718	913			214
215	91° 14	3	92 36 40.15	- 19.490	+ 0.113				1725	919			215
216	82° 17	3	92 15 3.16	- 19.477	+ 0.115				1741	926			216
217	90° 77	3	110 41 1.49	- 19.473	+ 0.111				1754				217
218	90° 50	3	99 58 0.36	- 19.472	+ 0.114				1753	933			218
219	86° 85	3	95 14 21.59	- 19.469	+ 0.115				1759	935			219
220	83° 86	8	8 37 46.85	- 19.469	+ 0.190								220
221	91° 49	3	79 24 41.83	- 19.468	+ 0.118			255					221
222	91° 44	3	78 40 49.50	- 19.466	+ 0.118			257	1760	938			222
223	90° 50	3	97 23 30.48	- 19.457	+ 0.115				1779	948			223
224	83° 87	3	106 51 19.38	- 19.454	+ 0.114				1787				224
225	92° 54	3	122 8 40.46	- 19.432	+ 0.112			265			399		225

185, 190, are respectively 242, 257 of the Radcliffe Catalogue, 1845.

185, 186, 190, 194, 196, are respectively 94, 95, 97, 99, 98 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
226	Piscium	8-9	1	91°52	3	0 57 12.913	+ 3'1644	+ 0.0135		226
227	71 Piscium	4	6	85°62	30	0 57 14.013	+ 3'1148	+ 0.0088	- 0.0070	227
228	Piscium	8-7	1	90°88	3	0 57 19.548	+ 3'1456	+ 0.0116		228
229	25 Ceti	6-5	1	82°21	3	0 57 28.597	+ 3'0410	+ 0.0023	- 0.0091	229
230	Piscium	9-8	1	91°92	3	0 58 3.648	+ 3'1520	+ 0.0121		230
231	Ceti	8-9	1	91°46	3	0 59 5.285	+ 3'0230	+ 0.0011		231
232	73 Piscium	6-7	2	86°57	3	0 59 10.632	+ 3'1028	+ 0.0077	+ 0.0008	232
233	72 Piscium	6	1	91°02	3	0 59 16.963	+ 3'1600	+ 0.0128	+ 0.0013	233
234	Ceti	8-9	1	91°54	3	0 59 17.687	+ 2'9553	- 0.0040		234
235	Ceti	8-7	...	91°17	3	0 59 26.641	+ 2'9387	- 0.0052		235
236	Ceti	7	2	84°95	3	0 59 35.622	+ 2'9846	- 0.0019		236
237	Ceti	9-8	1	91°81	3	0 59 48.059	+ 3'0485	+ 0.0032		237
238	Ceti	8-7	1	91°57	3	0 59 56.041	+ 2'9896	- 0.0014		238
239	Piscium	9-10	1	91°15	3	1 0 0.187	+ 3'1613	+ 0.0129		239
240	27 Ceti	6-7	3	84°23	3	1 0 6.132	+ 3'0078	0.0000	- 0.0032	240
241	Piscium	8-7	1	91°22	3	1 0 7.453	+ 3'1641	+ 0.0131		241
242	77 Piscium	7	1	86°52	3	1 0 7.725	+ 3'0987	+ 0.0074	- 0.0008	242
243	Piscium	8-9	1	90°90	3	1 0 32.807	+ 3'1708	+ 0.0137		243
244	28 Ceti	6	2	83°14	4	1 0 33.950	+ 3'0082	+ 0.0001	- 0.0005	244
245	Ceti	7-8	2	85°78	3	1 0 36.169	+ 3'0009	- 0.0005		245
246	75 Piscium	6*	...	85°54	3	1 0 46.413	+ 3'1493	+ 0.0117	+ 0.0003	246
247	Ceti	8-9	3	91°60	3	1 0 47.810	+ 3'0643	+ 0.0045		247
248	Ceti	6-7	1	82°86	5	1 0 47.892	+ 2'9122	- 0.0066		248
249	30 Cassiopeiæ	μ	5	88°89	3	1 0 57.167	+ 3'5629	+ 0.0581	+ 0.3860	249
250	Ceti	7-8	2	88°29	3	1 1 17.682	+ 2'9705	- 0.0025		250
251	Ceti	8-7	...	91°44	3	1 1 24.015	+ 3'0385	+ 0.0025		251
252	Ceti	8	1	91°55	3	1 1 32.501	+ 2'9229	- 0.0058		252
253	Ceti	9-8	2	90°53	3	1 1 33.586	+ 3'0581	+ 0.0040		253
254	Ceti	7-8	3	87°20	3	1 1 33.779	+ 3'0580	+ 0.0040		254
255	41 Andromedæ	5*	...	87°00	3	1 1 42.011	+ 3'4082	+ 0.0382	+ 0.0137	255
256	Ceti	6-7	...	82°88	4	1 1 52.521	+ 2'9094	- 0.0066		256
257	Piscium	8	2	91°55	3	1 2 2.737	+ 3'1702	+ 0.0135		257
258	Piscium	8	...	91°59	3	1 2 5.350	+ 3'1807	+ 0.0145		258
259	30 Ceti	6	3	86°54	3	1 2 14.229	+ 3'0069	+ 0.0002	+ 0.0090	259
260	Piscium	9-8	...	91°12	3	1 2 38.093	+ 3'1833	+ 0.0146		260
261	80 Piscium	6	1	86°85	5	1 2 42.054	+ 3'1045	+ 0.0079	- 0.0195	261
262	Cephei	6	4	82°51	10	1 2 47.088	+ 4'9484	+ 0.3359	+ 0.0299	262
263	31 Ceti	η	3*	87°52	3	1 3 3.260	+ 3'0034	+ 0.0001	+ 0.0125	263
264	42 Andromedæ	φ	4-5*	88°45	3	1 3 7.133	+ 3'4577	+ 0.0432	- 0.0034	264
265	Cassiopeiæ	7-8	...	92°29	3	1 3 25.662	+ 3'4850	+ 0.0463		265
266	43 Andromedæ	β	2-3	83°86	20	1 3 34.408	+ 3'3292	+ 0.0287	+ 0.0144	266
267	Piscium	6-7	...	89°77	3	1 4 21.546	+ 3'1724	+ 0.0135		267
268	33 Cassiopeiæ	θ	4-5*	88°43	3	1 4 24.337	+ 3'5935	+ 0.0592	+ 0.0233	268
269	Ceti	8	2	91°93	3	1 4 29.530	+ 2'9741	- 0.0018		269
270	32 Ceti	6-7	2	83°85	3	1 4 40.858	+ 3'0103	+ 0.0008	- 0.0030	270

242. A star of the 8 magnitude follows 2°.5, and is 5" north.

253 and 254. These stars were also observed as one mass, 83.82 I 1^h 1^m 33^s.909 92° 19' 12".51.

266. Red star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
226	91°52	3	74 27 12.88	— 19.432	+ 0.122				1818				226
227	83°08	10	82 42 7.12	— 19.431	+ 0.121	— 0.039	113	264	1819	970	400	162	227
228	90°88	3	77 32 30.40	— 19.429	+ 0.122				1822	971			228
229	82°21	3	95 25 29.25	— 19.426	+ 0.119	+ 0.090	115	266	1833	977	404	164	229
230	91°92	3	76 39 13.31	— 19.413	+ 0.124					984			230
231	91°46	3	98 16 3.76	— 19.390	+ 0.121					1004			231
232	85°17	4	84 56 1.00	— 19.388	+ 0.124	+ 0.004	120	273		1005	417	168	232
233	91°02	3	75 38 43.98	— 19.386	+ 0.126	— 0.046	119	274	1881			170	233
234	91°54	3	108 54 38.36	— 19.386	+ 0.119								234
235	91°17	3	111 19 21.64	— 19.382	+ 0.118				1895				235
236	84°95	3	104 20 53.76	— 19.379	+ 0.120				1897				236
237	91°81	3	93 58 20.90	— 19.374	+ 0.123					1018			237
238	91°57	3	103 29 41.66	— 19.371	+ 0.121				1903	1021			238
239	91°15	3	75 36 24.75	— 19.370	+ 0.128								239
240	84°23	3	100 34 4.40	— 19.367	+ 0.122	+ 0.028	126	284	1909	1025	422		240
241	91°22	3	75 12 16.27	— 19.367	+ 0.128				1902	1022			241
242	86°52	3	85 40 38.40	— 19.367	+ 0.126	+ 0.119	124	280	1905			174	242
243	90°90	3	74 16 29.86	— 19.357	+ 0.129				1916				243
244	83°14	4	100 25 43.14	— 19.357	+ 0.123	— 0.020	128	286	1931	1035	426	176	244
245	85°78	3	101 34 26.03	— 19.356	+ 0.123					1037			245
246	85°54	3	77 38 0.97	— 19.352	+ 0.129	— 0.036	127	287	1930	1038		177	246
247	91°60	3	91 20 15.27	— 19.352	+ 0.126				1934	1041			247
248	83°21	6	114 34 48.86	— 19.352	+ 0.120				1947		427		248
249	88°89	3	35 37 10.15	— 19.348	+ 0.145	+ 1.580	118	277				178	249
250	88°29	3	106 5 54.21	— 19.340	+ 0.123				1961				250
251	91°44	3	95 29 37.89	— 19.337	+ 0.126				1962	1053			251
252	91°55	3	112 52 22.14	— 19.334	+ 0.121				1972				252
253	90°53	3	92 19 11.60	— 19.334	+ 0.127				1965	1057			253
254	87°20	3	92 19 15.06	— 19.334	+ 0.127				1965	1057			254
255	88°94	3	46 38 39.12	— 19.331	+ 0.141	+ 0.065	129	290	1956			179	255
256	82°88	4	114 35 1.47	— 19.326	+ 0.122				1982		435		256
257	91°55	3	74 43 25.71	— 19.322	+ 0.132				1974				257
258	91°59	3	73 10 29.64	— 19.321	+ 0.132				1976				258
259	86°54	3	100 22 26.64	— 19.318	+ 0.126	— 0.011	135	296	1994	1072	438		259
260	91°12	3	72 55 58.96	— 19.309	+ 0.134				1999				260
261	86°85	5	84 55 56.26	— 19.307	+ 0.131	+ 0.174	136	299	2005		441	184	261
262	82°52	9	10 54 42.92	— 19.305	+ 0.204	+ 0.015	117	283	1906			182	262
263	87°52	3	100 45 54.66	— 19.299	+ 0.127	+ 0.124	141	300	2023	1086	444		263
264	89°94	3	43 20 41.16	— 19.297	+ 0.145	+ 0.012	134	298	2003			185	264
265	92°29	3	41 31 56.57	— 19.290	+ 0.147				2011				265
266	81°43	6	54 57 45.24	— 19.286	+ 0.141	+ 0.084	140	301	2029		447	188	266
267	89°77	3	74 54 41.46	— 19.267	+ 0.137			311	2068	14		192	267
268	89°22	3	35 26 7.43	— 19.266	+ 0.154	+ 0.024	142	307	2049			190	268
269	91°93	3	104 50 24.66	— 19.264	+ 0.129				2084				269
270	83°85	3	99 29 27.31	— 19.260	+ 0.131	+ 0.047	147	2	2090	24	452		270

227, 249, 255, 261, 262, 264, 265, 266, 268, are respectively 314, 329, 338, 341, 337, 345, 347, 350, 354 of the Radcliffe Catalogue, 1845.
 227, 229, 242, 249, 255, 259, 261, 262, 263, 266, 267, 268, 270, are respectively 109, 110, 117, 119, 120, 124, 126, 122, 127, 128, 131, 129, 132 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A. h. m. s.	Precess. s.	Sec. Var. s.	Proper Motion. s.	No.
271	Ceti	7-8	3	90°47	3	1 4 57°047	+ 3°0288	+ 0°0021		271
272	Ceti	7-8	2	91°55	3	1 4 57°988	+ 2°9590	- 0°0027		272
273	Piscium	9-8	1	91°50	3	1 5 7°168	+ 3°1929	+ 0°0153		273
274	Ceti	7-8	1	90°47	3	1 5 37°887	+ 2°9396	- 0°0037		274
275	Ceti	7-8	2	90°51	3	1 5 49°703	+ 2°9774	- 0°0013		275
276	Ceti	7-8	3	86°92	3	1 6 4°321	+ 2°9818	- 0°0010		276
277	34 Ceti	6	4	85°04	5	1 6 7°693	+ 3°0537	+ 0°0041	- 0°0066	277
278	Ceti	8-7	4	85°20	3	1 6 9°705	+ 3°0155	+ 0°0013		278
279	Ceti	7-8	2	90°84	3	1 6 46°504	+ 2°9942	- 0°0001		279
280	Cassiopeiæ	9-8	3	90°83	3	1 6 55°313	+ 3°5386	+ 0°0504		280
281	Ceti	7-8	1	91°40	3	1 7 13°298	+ 2°9238	- 0°0045		281
282	36 Ceti	7-6	2	84°91	3	1 7 15°469	+ 3°0225	+ 0°0019	- 0°0059	282
283	Ceti	7-8	1	90°16	3	1 7 46°721	+ 3°0512	+ 0°0039		283
284	86 Piscium	5	1	86°47	3	1 7 59°001	+ 3°1204	+ 0°0092	+ 0°0075	284
285	Andromedæ	8	1	91°26	3	1 8 5°397	+ 3°5203	+ 0°0475		285
286	87 Piscium	6*	...	90°81	3	1 8 17°132	+ 3°1817	+ 0°0139	- 0°0047	286
287	Ceti	7-8	...	90°49	3	1 8 17°479	+ 3°0352	+ 0°0029		287
288	Ceti	7	2	85°92	3	1 8 33°703	+ 2°9738	- 0°0011		288
289	Ceti	8-9	3	84°24	3	1 8 49°832	+ 3°0134	+ 0°0015	+ 0°0055	289
290	37 Ceti	6-5	3	84°24	3	1 8 51°421	+ 3°0133	+ 0°0015	+ 0°0055	290
291	Ceti	8-7	...	91°84	3	1 9 9°292	+ 2°9985	+ 0°0005		291
292	38 Ceti	6*	...	91°88	3	1 9 12°088	+ 3°0617	+ 0°0048	- 0°0063	292
293	Ceti	7-8	2	89°60	3	1 9 28°487	+ 2°9551	- 0°0022		293
294	Ceti	8-7	2	91°29	3	1 9 55°195	+ 2°9030	- 0°0050		294
295	Ceti	7	1	91°19	3	1 9 56°762	+ 3°0748	+ 0°0058		295
296	Piscium	8	2	90°81	3	1 10 19°050	+ 3°1964	+ 0°0150		296
297	Ceti	8-9	2	91°57	3	1 10 20°014	+ 2°9335	- 0°0033		297
298	Sculptoris	7	3	90°47	3	1 10 36°520	+ 2°8873	- 0°0057		298
299	Ceti	7-8	1	90°12	3	1 10 55°225	+ 2°9809	- 0°0003		299
300	39 Ceti	6-5	2	84°23	3	1 11 1°184	+ 3°0506	+ 0°0042	- 0°0092	300
301	40 Ceti	7	2	90°49	3	1 11 21°038	+ 3°0521	+ 0°0043	+ 0°0140	301
302	Piscium	8-9	1	91°51	3	1 11 37°535	+ 3°1886	+ 0°0142		302
303	41 Ceti	7-6	3	85°18	3	1 12 10°736	+ 3°0125	+ 0°0018	- 0°0004	303
304	Piscium	8	...	89°81	3	1 12 29°292	+ 3°2076	+ 0°0156		304
305	Ceti	7	1	90°48	3	1 13 7°677	+ 2°8893	- 0°0050		305
306	42 Ceti	6-7	1	84°87	3	1 14 10°794	+ 3°0644	+ 0°0053	- 0°0010	306
307	Ceti	7-6	...	87°80	3	1 14 33°204	+ 2°9468	- 0°0018		307
308	Ceti	7	2	86°25	3	1 14 33°391	+ 2°9936	+ 0°0009		308
309	Ceti	7-8	2	90°79	3	1 14 45°514	+ 2°9076	- 0°0039		309
310	Ceti	6-7	2	83°84	3	1 14 59°550	+ 3°0438	+ 0°0040		310
311	Ceti	7-6	4	85°78	6	1 15 0°024	+ 2°9826	+ 0°0003		311
312	Ceti	7	...	86°57	3	1 15 14°610	+ 2°9613	- 0°0009		312
313	Ceti	7-8	3	89°26	3	1 15 16°035	+ 3°0583	+ 0°0050		313
314	Ceti	7	2	84°25	3	1 15 44°822	+ 3°0213	+ 0°0026		314
315	43 Ceti	7-6	2	85°89	3	1 16 57°181	+ 3°0646	+ 0°0054	- 0°0013	315

284. The companion was estimated of the 6-7 magnitude on 1882 September 27.
 306. The R.A. given in Weisse's Bessel for this star is 1^m too small.
 311. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
271	90°47	3	96 40 15.47	-19.253	+0.132					31			271
272	91°55	3	106 53 32.64	-19.253	+0.129				2106				272
273	91°50	3	72 11 33.91	-19.249	+0.139								273
274	90°47	3	109 23 24.74	-19.236	+0.129								274
275	90°51	3	104 5 19.82	-19.231	+0.131								275
276	86°92	3	103 25 33.61	-19.226	+0.132				2138				276
277	85°04	5	92 50 7.19	-19.224	+0.135	+0.014	152	10	2136	49	459		277
278	85°20	3	98 30 49.57	-19.223	+0.134					51			278
279	90°84	3	101 31 28.09	-19.208	+0.134				2164	60			279
280	90°83	3	39 32 41.13	-19.204	+0.157								280
281	91°40	3	111 2 30.93	-19.197	+0.132				2178				281
282	84°91	3	97 22 1.30	-19.196	+0.136	+0.008	156	14	2176	67	464		282
283	90°16	3	93 8 1.62	-19.182	+0.138				2184	73			283
284	88°81	3	83 0 22.77	-19.177	+0.141	+0.051	158	16	2187	75	468	199	284
285	91°26	3	41 9 11.71	-19.175	+0.159				2177				285
286	90°81	3	74 26 55.50	-19.169	+0.144	+0.018	161	19	2197	81		201	286
287	90°49	3	95 25 45.53	-19.169	+0.138					86			287
288	85°92	3	104 3 34.49	-19.162	+0.136				2209	92			288
289	84°24	3	98 30 6.84	-19.155	+0.138	-0.279		22	2215	93			289
290	84°24	3	98 30 50.17	-19.155	+0.138	-0.279	164	24	2220	95	472	202	290
291	91°84	3	100 33 6.04	-19.147	+0.138				2229	105			291
292	91°88	3	91 33 45.88	-19.146	+0.141	-0.220	165	25	2226	104	475		292
293	89°60	3	106 24 1.62	-19.139	+0.137				2238				293
294	91°29	3	112 52 46.93	-19.127	+0.135				2265				294
295	91°19	3	89 40 10.32	-19.126	+0.143				2258	111			295
296	90°81	3	72 56 47.00	-19.117	+0.149								296
297	91°57	3	108 59 49.07	-19.116	+0.137								297
298	90°47	3	114 33 17.31	-19.109	+0.136				2290		486		298
299	90°12	3	102 40 40.38	-19.101	+0.141				2297	127			299
300	84°23	3	93 4 46.10	-19.098	+0.144	+0.060	167	32	2300	129			300
301	90°49	3	92 51 20.10	-19.089	+0.145	+0.122	168	33	2308	134	490		301
302	91°51	3	74 13 33.06	-19.081	+0.151								302
303	85°18	3	98 14 25.00	-19.067	+0.144	-0.042	172	38	2338	153	495		303
304	89°81	3	72 0 8.69	-19.059	+0.154				2339				304
305	90°48	3	113 35 29.51	-19.041	+0.140				2374				305
306	84°87	3	91 5 12.17	-19.012	+0.150	-0.002	175	47	2397	164	507		306
307	87°80	3	106 23 20.67	-19.002	+0.146				2416				307
308	86°25	3	100 27 34.45	-19.002	+0.148				2408	196			308
309	90°79	3	111 2 56.25	-18.995	+0.144				2422				309
310	83°84	3	93 49 28.35	-18.989	+0.151				2424	202			310
311	85°78	6	101 48 51.46	-18.989	+0.148				2426	203			311
312	86°57	3	104 28 3.87	-18.982	+0.148				2436	207			312
313	89°26	3	91 53 17.17	-18.981	+0.152				2431	206			313
314	84°25	3	96 44 6.48	-18.967	+0.151				2441	214			314
315	85°89	3	91 1 30.36	-18.933	+0.155	-0.002	181	58	2484		523		315

284, 285, 300, 301, are respectively 380, 379, 393, 394 of the Radcliffe Catalogue, 1845.

284, 289, 290, 292, 300, 301, 306, are respectively 142, 144, 145, 147, 151, 152, 157 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
316	Ceti	7-8	2	87.95	3	1 16 58.840	+ 3.0388	+ 0.0039		316
317	Ceti	7-6	3	85.55	3	1 17 10.370	+ 2.9148	- 0.0030		317
318	Ceti	7-8	1	90.75	3	1 17 38.984	+ 2.9355	- 0.0019		318
319	Ursæ Minoris ... α^1	9	3	82.68	52	1 17 58.982	+ 23.0061	+ 17.5758		319
320	Ceti	7-8	2	89.55	3	1 17 59.885	+ 2.9231	- 0.0026		320
321	Sculptoris	7	1	90.78	3	1 18 20.134	+ 2.8642	- 0.0052		321
322	Ceti	8-9	3	91.56	3	1 18 21.980	+ 2.9774	+ 0.0004		322
323	44 Ceti	6-7	2	86.23	3	1 18 30.474	+ 3.0047	+ 0.0019	+ 0.0082	323
324	Ursæ Minoris ... α	2-1	3	85.98	523	1 18 30.881	+ 23.1988	+ 17.7771	+ 0.1138	324
325	45 Ceti θ	3	1	87.29	33	1 18 31.458	+ 3.0034	+ 0.0019	- 0.0068	325
326	37 Cassiopeiæ δ	3*	...	88.76	3	1 18 37.241	+ 3.8409	+ 0.0777	+ 0.0384	326
327	Ceti	6-7	2	91.83	3	1 18 48.656	+ 3.0132	+ 0.0025		327
328	Ceti	6	1	85.17	3	1 19 13.214	+ 3.0454	+ 0.0044		328
329	Ceti	6-7	...	86.93	3	1 19 16.293	+ 2.9405	- 0.0014		329
330	Ceti	7-6	...	84.58	3	1 19 28.000	+ 3.0206	+ 0.0029		330
331	46 Ceti	5-6	1	87.80	3	1 20 12.582	+ 2.9482	- 0.0009	+ 0.0013	331
332	Ceti	7-6	4	84.89	3	1 20 17.558	+ 3.0364	+ 0.0039		332
333	Ceti	7-6	2	86.93	3	1 20 24.940	+ 2.9991	+ 0.0018		333
334	Ceti	7	...	90.79	3	1 20 48.924	+ 2.8730	- 0.0043		334
335	Ceti	7-6	2	84.21	3	1 20 49.541	+ 3.0647	+ 0.0056	+ 0.0006	335
336	47 Ceti	6*	...	85.82	3	1 21 25.862	+ 2.9597	- 0.0001	- 0.0003	336
337	Ceti	7	1	90.40	3	1 21 45.362	+ 2.8927	- 0.0033		337
338	Ceti	7	3	84.89	3	1 21 58.904	+ 2.9911	+ 0.0016		338
339	Ceti	7-8	1	90.46	3	1 22 6.878	+ 2.8932	- 0.0032		339
340	Ceti	7-6	2	88.15	3	1 22 7.259	+ 2.8744	- 0.0041		340
341	Ceti	6-7	...	87.83	3	1 22 17.585	+ 2.9771	+ 0.0009		341
342	Ceti	7-8	2	85.26	3	1 22 25.146	+ 3.0511	+ 0.0049		342
343	Ceti	6-7	1	91.47	3	1 22 43.191	+ 2.8759	- 0.0039		343
344	Ceti	7-8	1	90.89	3	1 22 44.214	+ 2.9206	- 0.0019		344
345	Ceti	7	2	86.57	3	1 22 49.596	+ 2.9650	+ 0.0003		345
346	49 Andromedæ ... A	6*	...	88.40	3	1 23 30.254	+ 3.5734	+ 0.0449	- 0.0009	346
347	Ceti	7	1	87.96	4	1 23 36.598	+ 2.9128	- 0.0022		347
348	Ceti	7	3	85.91	3	1 24 3.331	+ 2.9875	+ 0.0015		348
349	Ceti	7	...	91.21	3	1 24 15.933	+ 2.9545	- 0.0001		349
350	48 Ceti	5-6*	...	90.76	3	1 24 19.353	+ 2.8763	- 0.0035	+ 0.0017	350
351	Ceti	7-6	2	86.61	3	1 24 20.766	+ 3.0206	+ 0.0033		351
352	98 Piscium μ	5*	...	88.60	3	1 24 25.256	+ 3.1195	+ 0.0091	+ 0.0177	352
353	Ceti	8-9	2	91.55	3	1 24 56.787	+ 3.0606	+ 0.0056		353
354	Ceti	8	2	91.92	3	1 25 14.852	+ 2.9987	+ 0.0023		354
355	Ceti	7	2	86.22	3	1 25 26.496	+ 3.0254	+ 0.0037		355
356	99 Piscium η	4-3	3	85.16	13	1 25 35.835	+ 3.2012	+ 0.0141	- 0.0002	356
357	Ceti	8-7	3	91.55	3	1 25 39.700	+ 3.0074	+ 0.0028		357
358	Ceti	7	1	84.24	3	1 26 10.892	+ 2.9607	+ 0.0005		358
359	Ceti	7	...	90.48	3	1 26 15.407	+ 2.8977	- 0.0023		359
360	Ceti	8	...	88.85	3	1 26 20.336	+ 2.8974	- 0.0023		360

335. A star of the 8 magnitude precedes by about 3^s, and is 3' south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
316	87.95	3	94 22 32.84	-18.932	+0.154				2486	237			316
317	85.55	3	109 39 17.63	-18.927	+0.149				2498				317
318	90.75	3	107 8 14.86	-18.913	+0.150				2511				318
319	82.91	80	1 16 56.68	-18.903	+1.128							207	319
320	89.55	3	108 30 32.01	-18.903	+0.150				2520				320
321	90.78	3	114 55 39.96	-18.893	+0.148			68	2546		538		321
322	91.56	3	101 58 44.75	-18.892	+0.154					266			322
323	86.23	3	98 34 46.91	-18.888	+0.155	+0.058	183	66	2535	267	542		323
324	84.65	447	1 16 41.67	-18.888	+1.145	+0.002	102	263				209	324
325	84.44	4	98 45 4.41	-18.888	+0.155	+0.196	184	67	2541	268	543	215	325
326	88.76	3	30 20 11.24	-18.885	+0.197	+0.036	180	62	2499			214	326
327	91.83	3	97 29 19.62	-18.879	+0.156					271		216	327
328	85.17	3	93 25 17.03	-18.867	+0.159				2574	280			328
329	86.93	3	106 14 1.35	-18.866	+0.154				2581			217	329
330	84.58	3	96 31 11.33	-18.859	+0.158				2582	288			330
331	87.80	3	105 10 16.31	-18.837	+0.156	-0.007	190	75	2605		555		331
332	84.89	3	94 29 57.36	-18.835	+0.160				2598	300			332
333	86.93	3	99 4 34.25	-18.831	+0.158				2606	306			333
334	90.79	3	113 22 15.00	-18.819	+0.153				2626				334
335	84.21	3	90 58 14.29	-18.819	+0.163	+0.020	191		2614	316	557		335
336	85.82	3	103 37 42.87	-18.801	+0.158	-0.011	192	82	2648	329	564		336
337	90.40	3	111 3 47.34	-18.791	+0.155				2660				337
338	84.89	3	99 52 1.75	-18.784	+0.161				2662	340			338
339	90.46	3	110 55 25.07	-18.780	+0.156				2671				339
340	88.15	3	112 54 24.42	-18.780	+0.155				2674		567		340
341	87.83	3	101 28 22.43	-18.774	+0.161				2675	344			341
342	85.26	3	92 36 19.34	-18.770	+0.165				2670	346			342
343	91.47	3	112 36 27.70	-18.761	+0.156				2695		571		343
344	90.89	3	107 49 57.04	-18.760	+0.159				2690				344
345	86.57	3	102 48 56.61	-18.757	+0.161				2692	353			345
346	89.17	4	43 33 38.14	-18.737	+0.194	+0.042	196	89	2684				346
347	87.96	4	108 30 24.51	-18.733	+0.160				2722				347
348	85.91	3	100 3 31.07	-18.719	+0.164					371			348
349	91.21	3	103 47 26.57	-18.713	+0.163				2740	380			349
350	90.76	3	112 11 54.81	-18.711	+0.159	+0.010	200	96	2744		584		350
351	86.61	3	96 9 50.55	-18.710	+0.166				2739	381			351
352	88.60	3	84 25 24.31	-18.708	+0.172	+0.031	199	95	2735	379	585	229	352
353	91.55	3	91 24 22.78	-18.691	+0.170					390			353
354	91.92	3	98 38 13.88	-18.682	+0.167					398			354
355	86.22	3	95 31 40.49	-18.675	+0.169				2766	399			355
356	81.79	8	75 13 16.64	-18.671	+0.178	+0.003	203	98	2763		594	232	356
357	91.55	3	97 35 59.51	-18.669	+0.168				2770	404			357
358	84.24	3	102 49 31.24	-18.652	+0.167				2787	415			358
359	90.48	3	109 35 20.33	-18.650	+0.163				2791				359
360	88.85	3	109 35 56.99	-18.647	+0.163				2799				360

319, 324, 325, 326, 346, 352, 356, are respectively 364, 366, 426, 424, 444, 452, 455 of the Radcliffe Catalogue, 1845.

319, 321, 324, 325, 326, 352, 356, are respectively 146, 164, 148, 165, 163, 172, 175 of the Radcliffe Catalogue, 1860.

319. There are 34 observations in N.P.D. above pole, and 46 below pole. The seconds of N.P.D. are 56".45 and 56".88 respectively.

324. There are 183 observations in N.P.D. above pole, and 264 below pole. The seconds of N.P.D. are 41".55 and 41".77 respectively.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
361	Ceti	7	3	84.88	3	1 26 29.609	+ 3.0095	+ 0.0029		361
362	Ceti	8	1	91.40	3	1 26 49.404	+ 2.9395	- 0.0004		362
363	Sculptoris	7	...	88.78	3	1 26 54.164	+ 2.8500	- 0.0042		363
364	Ceti	8-9	1	92.29	3	1 27 9.074	+ 2.9301	- 0.0009		364
365	Ceti	8-7	...	86.56	3	1 27 17.811	+ 2.8961	- 0.0023		365
366	Ceti	7	3	85.89	3	1 27 34.529	+ 2.9884	+ 0.0020		366
367	Sculptoris	7-8	3	89.49	3	1 28 1.152	+ 2.8417	- 0.0043	+ 0.0180	367
368	Ceti	6	1	84.56	3	1 28 10.560	+ 3.0057	+ 0.0029		368
369	49 Ceti	6	3	86.62	3	1 29 15.347	+ 2.9247	- 0.0008	+ 0.0040	369
370	Ceti	7-6	3	84.16	4	1 29 16.917	+ 3.0362	+ 0.0046		370
371	Ceti	7-8	1	88.22	3	1 29 30.605	+ 3.0467	+ 0.0051		371
372	Sculptoris	6-7	2	82.55	3	1 29 38.692	+ 2.8428	- 0.0040		372
373	Sculptoris	6	...	84.17	3	1 29 49.379	+ 2.7478	- 0.0073		373
374	Ceti	7	2	90.43	3	1 30 0.439	+ 2.9455	+ 0.0002		374
375	Ceti	9-10	2	91.84	3	1 30 23.470	+ 2.9703	+ 0.0014		375
376	Ceti	7-8	2	89.54	3	1 30 31.347	+ 2.9045	- 0.0014	+ 0.0144	376
377	50 Ceti	6*	...	84.24	3	1 30 36.925	+ 2.9252	- 0.0006	- 0.0006	377
378	102 Piscium	6	2	82.57	3	1 31 16.013	+ 3.1787	+ 0.0124	- 0.0064	378
379	Ceti	7-6	3	82.88	4	1 31 38.696	+ 3.0642	+ 0.0062		379
380	Ceti	8-7	...	91.22	3	1 31 56.459	+ 2.8832	- 0.0021		380
381	Ceti	8-7	3	85.92	3	1 32 3.281	+ 3.0054	+ 0.0032		381
382	Ceti	6-7	2	83.59	3	1 32 7.683	+ 2.9806	+ 0.0020	+ 0.0150	382
383	Ceti	6-7	4	84.94	3	1 32 17.618	+ 3.0359	+ 0.0047		383
384	52 Andromedæ	6	1	84.61	8	1 32 45.231	+ 3.5777	+ 0.0414	- 0.0039	384
385	Ceti	7-8	3	89.24	3	1 33 4.369	+ 2.9168	- 0.0007		385
386	Ceti	8-9	2	91.19	3	1 33 7.671	+ 2.9881	+ 0.0024		386
387	Ceti	7-8	1	88.90	3	1 33 13.852	+ 3.0142	+ 0.0037		387
388	Ceti	6	2	84.60	3	1 33 36.211	+ 2.8598	- 0.0027		388
389	Ceti	9-8	3	91.26	3	1 33 39.554	+ 2.9353	+ 0.0002		389
390	Sculptoris	7-6	...	87.49	3	1 33 40.125	+ 2.8182	- 0.0042		390
391	105 Piscium	6	1	86.88	3	1 33 44.758	+ 3.2234	+ 0.0151	+ 0.0032	391
392	43 Cassiopeiæ	6*	...	89.49	5	1 34 11.843	+ 4.3611	+ 0.1276	+ 0.0068	392
393	Ceti	7-8	3	87.80	3	1 34 29.329	+ 3.0650	+ 0.0063		393
394	Ceti	8-7	2	91.61	3	1 34 41.615	+ 2.8394	- 0.0033		394
395	Ceti	7	2	84.93	3	1 35 11.339	+ 3.0426	+ 0.0052		395
396	106 Piscium	4-5	4	87.51	52	1 35 42.388	+ 3.1193	+ 0.0092	- 0.0034	396
397	Ceti	7-6	4	86.69	4	1 36 18.865	+ 2.9579	+ 0.0015	0.0000	397
398	Ceti	8-7	...	91.36	3	1 36 45.973	+ 2.8758	- 0.0017		398
399	Ceti	8-7	1	89.83	3	1 36 52.770	+ 2.8896	- 0.0011	+ 0.0380	399
400	Ceti	7-8	3	85.91	3	1 37 3.191	+ 2.9834	+ 0.0026		400
401	Ceti	5-6	2	82.55	3	1 37 9.716	+ 3.0317	+ 0.0048		401
402	Ceti	7-8	2	89.17	3	1 37 20.717	+ 2.8640	- 0.0020		402
403	Ceti	6-7	1	84.68	4	1 38 22.417	+ 3.0207	+ 0.0044		403
404	52 Ceti	4-3	1	87.91	6	1 38 57.333	+ 2.9066	- 0.0002	- 0.1223	404
405	Ceti	7-8	...	89.52	3	1 38 59.611	+ 2.9550	+ 0.0016		405

370. Lalande's N.P.D. is 8' too great.

397. Double star: the companion follows on the same parallel, and is of the 8 magnitude.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
361	84.88	3	97 17 7.49	-18.641	+0.170				2798	422			361
362	91.40	3	105 3 30.73	-18.631	+0.167				2811				362
363	88.78	3	114 12 44.33	-18.629	+0.162			103	2818		605		363
364	92.29	3	106 0 57.64	-18.620	+0.167								364
365	86.56	3	109 32 31.77	-18.616	+0.165								365
366	85.89	3	99 34 49.08	-18.607	+0.171			108	2834	442			366
367	89.49	3	114 44 18.67	-18.593	+0.163	+0.180			2851		614		367
368	84.56	3	97 35 15.01	-18.587	+0.173				2848	453		238	368
369	86.62	3	106 14 25.04	-18.552	+0.170	-0.007	210	117	2901		620		369
370	84.16	4	94 5 11.63	-18.551	+0.176				2897				370
371	88.22	3	92 53 55.95	-18.543	+0.177				2902	478			371
372	82.55	3	114 15 49.31	-18.538	+0.166				2921		622		372
373	84.17	3	122 27 16.35	-18.533	+0.161						625		373
374	90.43	3	103 56 43.69	-18.527	+0.172			122	2926	487			374
375	91.84	3	101 15 25.87	-18.514	+0.174								375
376	89.54	3	108 5 19.50	-18.509	+0.171	+0.204			2942				376
377	84.24	3	105 57 48.04	-18.506	+0.172	-0.016	213	125	2944		630		377
378	82.57	3	78 25 15.80	-18.484	+0.188	-0.054	214	126	2951	501		248	378
379	82.90	3	90 54 33.38	-18.471	+0.182				2974	512			379
380	91.22	3	109 55 57.93	-18.461	+0.172								380
381	85.92	3	97 19 4.72	-18.457	+0.179				2994	517			381
382	83.59	3	99 58 2.95	-18.454	+0.178	-0.070		131	2999	522	640	249	382
383	84.94	3	94 0 2.51	-18.449	+0.181				3005	525			383
384	86.96	8	46 10 25.25	-18.433	+0.213	+0.003	218	129	2989				384
385	89.24	3	106 25 51.76	-18.422	+0.176				3032				385
386	91.19	3	99 4 8.85	-18.420	+0.180					542			386
387	88.90	3	96 17 35.38	-18.416	+0.182				3036	545			387
388	84.60	3	111 50 9.57	-18.404	+0.174				3047			252	388
389	91.26	3	104 28 47.58	-18.402	+0.178								389
390	87.49	3	115 34 55.25	-18.401	+0.171			140	3051		651		390
391	86.88	3	74 9 8.54	-18.399	+0.195	+0.008	223	138	3041			253	391
392	88.14	6	22 30 49.32	-18.383	+0.262	+0.005	216	133	3003			254	392
393	87.80	3	90 48 0.85	-18.373	+0.187				3062	574			393
394	91.61	3	113 28 14.87	-18.365	+0.174				3086				394
395	84.93	3	93 10 39.77	-18.348	+0.187				3091	594			395
396	82.85	16	85 4 8.85	-18.330	+0.192	-0.005	228	150	3111	609	665	260	396
397	86.69	4	101 52 6.29	-18.308	+0.184	+0.420			3137	625		263	397
398	91.36	3	109 44 50.98	-18.292	+0.180				3151				398
399	89.83	3	108 26 43.59	-18.288	+0.181	+0.030			3153				399
400	85.91	3	99 12 56.21	-18.282	+0.187				3157	643			400
401	82.55	3	94 14 39.24	-18.277	+0.190				3159			266	401
402	89.17	3	110 43 38.52	-18.271	+0.180				3168				402
403	84.68	4	95 19 5.73	-18.234	+0.191			160	3186	671			403
404	87.91	6	106 31 1.19	-18.212	+0.185	-0.857	233	163	3207		685	267	404
405	89.52	3	101 51 9.79	-18.211	+0.188				3202	682			405

384, 392, 396, are respectively 489, 494, 506 of the Radcliffe Catalogue, 1845.

378, 382, 390, 396, 404, are respectively 188, 190, 192, 203, 209 of the Radcliffe Catalogue, 1860.

367, 376, 382, 397, 399. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
406	Ceti	7-6	1	86.54	3	1 39 13.126	+ 3.0005	+ 0.0035		406
407	110 Piscium 0	4*	...	87.96	43	1 39 35.060	+ 3.1576	+ 0.0111	+ 0.0029	407
408	Ceti	7-8	2	87.79	3	1 39 46.921	+ 3.0358	+ 0.0052		408
409	Ceti	6-5	2	83.92	3	1 40 27.943	+ 3.0100	+ 0.0041		409
410	Sculptoris	6	...	90.44	3	1 40 55.664	+ 2.7708	- 0.0045		410
411	Ceti	7-8	2	89.93	3	1 41 5.324	+ 2.9600	+ 0.0020		411
412	Ceti	7-6	3	84.33	3	1 41 36.301	+ 2.9249	+ 0.0007		412
413	Ceti	8-7	1	90.89	3	1 41 57.878	+ 3.0685	+ 0.0067		413
414	Ceti	7-8	4	88.85	3	1 41 58.454	+ 2.8852	- 0.0006		414
415	Ceti	9	2	91.15	3	1 42 19.928	+ 3.0573	+ 0.0063		415
416	Ceti	7-6	1	85.94	3	1 42 25.513	+ 2.8461	- 0.0020		416
417	Ceti	9-8	2	91.22	3	1 42 46.742	+ 2.9725	+ 0.0026		417
418	Ceti	8	3	91.26	3	1 43 33.752	+ 2.8075	- 0.0029		418
419	Ceti	8-9	2	91.26	3	1 43 49.197	+ 2.8708	- 0.0009		419
420	Ceti	7	4	81.89	3	1 43 59.317	+ 2.9560	+ 0.0021		420
421	53 Ceti X	5	4	81.89	3	1 44 10.771	+ 2.9559	+ 0.0022	- 0.0130	421
422	Fornacis	6-7	1	87.86	3	1 44 20.607	+ 2.7106	- 0.0055		422
423	Ceti	7	1	84.95	3	1 44 43.757	+ 2.9974	+ 0.0038		423
424	Ceti	7	3	82.64	4	1 44 53.195	+ 2.9314	+ 0.0012		424
425	54 Ceti	6-7	1	86.47	3	1 45 1.689	+ 3.1821	+ 0.0122	- 0.0062	425
426	Ceti	7-8	2	90.89	3	1 45 54.960	+ 3.0228	+ 0.0049		426
427	Ceti	7-8	5	88.14	3	1 46 1.216	+ 3.0393	+ 0.0056		427
428	55 Ceti ζ	4-3	2	86.21	3	1 46 1.655	+ 2.9578	+ 0.0024	+ 0.0003	428
429	Ceti	7-6	5	88.06	4	1 46 8.092	+ 2.9947	+ 0.0038		429
430	Ceti	7	2	86.95	3	1 46 18.167	+ 2.9258	+ 0.0012		430
431	Ceti	6-7	3	85.57	3	1 46 27.013	+ 2.8986	+ 0.0003		431
432	45 Cassiopeiæ ε	3-4*	...	83.90	6	1 46 29.053	+ 4.2546	+ 0.0999	+ 0.0036	432
433	Ceti	6	1	84.24	3	1 47 34.615	+ 2.8822	- 0.0001		433
434	Ceti	8-7	2	90.88	3	1 47 36.650	+ 2.8518	- 0.0011		434
435	6 Arietis β	3-2	7	87.57	32	1 48 33.786	+ 3.2977	+ 0.0183	+ 0.0050	435
436	Ceti	8	2	91.56	3	1 48 51.360	+ 2.9407	+ 0.0019		436
437	Ceti	8-9	3	91.54	3	1 48 52.038	+ 3.0539	+ 0.0064		437
438	Ceti	8-7	1	91.57	3	1 49 6.855	+ 2.9993	+ 0.0042		438
439	Ceti	8-9	2	91.58	3	1 50 5.151	+ 2.9731	+ 0.0033		439
440	Ceti	8	2	91.25	3	1 50 37.385	+ 2.8331	- 0.0013		440
441	Ceti	8	2	91.62	3	1 50 46.223	+ 3.0212	+ 0.0052		441
442	56 Ceti	5	2	82.44	4	1 51 31.000	+ 2.8063	- 0.0020	+ 0.0029	442
443	Ceti	6-7	2	84.58	3	1 51 47.285	+ 2.9533	+ 0.0027	- 0.0250	443
444	Ceti	8	1	91.28	3	1 52 0.497	+ 2.8660	- 0.0001		444
445	58 Ceti	7-6	3	83.34	3	1 52 23.866	+ 3.0439	+ 0.0061	+ 0.0010	445
446	48 Cassiopeiæ	5-4*	...	86.58	4	1 52 55.709	+ 4.8460	+ 0.1655	- 0.0137	446
447	Ceti	7-8	3	85.94	3	1 52 58.573	+ 2.9879	+ 0.0040		447
448	Ceti	7-6	2	84.94	3	1 53 21.951	+ 2.9395	+ 0.0023		448
449	Arietis	6-7	1	87.19	3	1 53 32.518	+ 3.2048	+ 0.0132		449
450	Fornacis	7-6	...	88.18	3	1 53 35.162	+ 2.6501	- 0.0052		450

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
406	86.54	3	97 19 8.48	-18.203	+0.191				3205	683			406
407	83.95	8	81 23 45.62	-18.189	+0.202	-0.058	232	164	3212	688	688	268	407
408	87.79	3	93 43 17.36	-18.182	+0.195				3220	690			408
409	83.92	3	96 17 1.83	-18.157	+0.194			167	3244	696	695	271	409
410	88.04	4	117 53 55.29	-18.141	+0.180				3234		697		410
411	89.93	3	101 8 54.52	-18.134	+0.192				3262	710			411
412	84.33	3	104 26 21.70	-18.115	+0.191					719			412
413	90.89	3	90 23 39.63	-18.101	+0.200					724			413
414	88.85	3	108 1 58.97	-18.101	+0.189				3288				414
415	91.15	3	91 30 18.14	-18.087	+0.200				3289	729			415
416	85.94	3	111 23 35.45	-18.084	+0.187				3301				416
417	91.22	3	99 47 20.39	-18.070	+0.196					738			417
418	91.26	3	114 25 5.86	-18.040	+0.187				3342				418
419	91.26	3	109 1 28.92	-18.031	+0.191				3363				419
420	81.90	4	101 14 51.76	-18.024	+0.197			182	3352	753			420
421	81.90	4	101 13 50.04	-18.016	+0.197	+0.085	242	183	3358	754	719		421
422	87.86	3	121 37 10.24	-18.010	+0.182						721		422
423	84.95	3	97 15 6.07	-17.995	+0.201				3379	765			423
424	82.56	3	103 25 59.45	-17.990	+0.197				3385	771			424
425	86.47	3	79 30 4.70	-17.984	+0.213	+0.031	243	185	3380	767		281	425
426	90.89	3	94 45 47.43	-17.949	+0.204				3410	788			426
427	88.14	3	93 10 53.92	-17.945	+0.206				3413	790			427
428	86.21	3	100 52 43.29	-17.945	+0.200	+0.028	247	192	3416	794	734	283	428
429	88.06	4	97 25 6.51	-17.941	+0.203				3419	795			429
430	86.95	3	103 46 42.47	-17.935	+0.199				3427	798			430
431	85.57	3	106 11 31.24	-17.929	+0.197				3436				431
432	82.24	12	26 52 19.57	-17.928	+0.286	+0.022	239	184	3375			284	432
433	84.24	3	107 28 13.77	-17.884	+0.198				3479			289	433
434	90.88	3	110 2 49.29	-17.883	+0.196				3480				434
435	82.47	13	69 43 47.46	-17.846	+0.227	+0.102	252	202	3494		749	290	435
436	91.56	3	102 10 8.73	-17.833	+0.204				3528	844			436
437	91.54	3	91 44 29.47	-17.833	+0.211				3523	843			437
438	91.57	3	96 48 49.02	-17.823	+0.208					848			438
439	91.58	3	99 8 23.12	-17.784	+0.208					866			439
440	91.25	3	111 5 58.91	-17.762	+0.199				3590				440
441	91.62	3	94 43 1.63	-17.756	+0.212				3583	875			441
442	82.60	3	113 3 51.46	-17.726	+0.199	+0.030	267	218	3618		763		442
443	84.58	3	100 46 22.00	-17.715	+0.209	+0.265			3620	886			443
444	91.28	3	108 12 51.93	-17.705	+0.204				3631				444
445	83.34	3	92 35 46.36	-17.689	+0.217	-0.020	268		3636	894	772		445
446	85.01	6	19 37 36.84	-17.667	+0.342	+0.007	258	210				302	446
447	85.94	3	97 36 55.69	-17.665	+0.214					905			447
448	84.94	3	101 50 0.95	-17.649	+0.211				3667	913			448
449	87.19	3	78 14 19.79	-17.643	+0.230			223	3663	912	781	303	449
450	88.18	3	123 36 9.02	-17.641	+0.191						783		450

407, 432, 435, 446, are respectively 520, 540, 555, 576 of the Radcliffe Catalogue, 1845.

407, 428, 432, 435, are respectively 211, 222, 220, 228 of the Radcliffe Catalogue, 1860.

443. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
451	Ceti	8	3	88.92	3	1 53 51.806	+ 2.7960	- 0.0019		451
452	Ceti	8-7	4	87.84	3	1 53 52.332	+ 2.7960	- 0.0019		452
453	Ceti	7-8	3	90.10	5	1 53 55.130	+ 2.8938	+ 0.0010		453
454	50 Cassiopeiæ	4-5	1	83.09	10	1 54 2.705	+ 5.0235	+ 0.1886	- 0.0110	454
455	Ceti	7	1	86.57	3	1 54 10.717	+ 2.9084	+ 0.0014		455
456	57 Ceti	6-5	...	87.79	3	1 54 35.535	+ 2.8218	- 0.0011	- 0.0019	456
457	Ceti	7	3	85.26	3	1 54 41.609	+ 3.0287	+ 0.0056		457
458	59 Ceti v	4	1	88.05	5	1 54 49.192	+ 2.8181	- 0.0012	+ 0.0065	458
459	Ceti	5-6	2	85.19	4	1 54 59.146	+ 2.9700	+ 0.0035		459
460	Ceti	7	2	88.97	3	1 55 21.831	+ 2.9703	+ 0.0035		460
461	Ceti	7-6	2	83.95	3	1 57 17.097	+ 3.0392	+ 0.0062		461
462	Ceti	7	...	90.47	3	1 57 27.171	+ 2.8010	- 0.0013		462
463	60 Ceti	6	2	85.63	3	1 57 33.138	+ 3.0679	+ 0.0073	+ 0.0034	463
464	Arietis	6	3	88.89	3	1 57 40.569	+ 3.2824	+ 0.0168		464
465	Ceti	6	3	81.92	3	1 57 40.711	+ 2.8863	+ 0.0011		465
466	Fornacis	6-7	...	90.25	3	1 57 46.860	+ 2.7742	- 0.0020		466
467	Ceti	5-6	1	86.64	3	1 58 8.020	+ 3.0191	+ 0.0054		467
468	Ceti	7-8	1	90.57	3	1 58 9.901	+ 2.9564	+ 0.0032		468
469	61 Ceti	6	1	82.91	3	1 58 10.199	+ 3.0625	+ 0.0071	+ 0.0038	469
470	Ceti	9-8	2	91.24	3	1 58 24.705	+ 2.8432	0.0000		470
471	Ceti	7	2	90.59	3	1 58 39.561	+ 2.8570	+ 0.0003		471
472	Ceti	7-6	3	85.23	4	1 58 49.878	+ 2.9270	+ 0.0024		472
473	Ceti	8-9	2	91.60	3	1 59 11.731	+ 2.9026	+ 0.0017		473
474	Arietis	8-7	...	91.21	3	2 0 10.579	+ 3.3170	+ 0.0184		474
475	Ceti	7-8	2	90.19	3	2 0 42.964	+ 3.0150	+ 0.0054		475
476	Ceti	7-6	2	84.94	3	2 0 46.254	+ 2.9442	+ 0.0031		476
477	Ceti	6	2	82.90	3	2 0 50.996	+ 3.0667	+ 0.0074		477
478	13 Arietis α	2*	...	85.47	12	2 0 58.363	+ 3.3575	+ 0.0204	+ 0.0127	478
479	Ceti	7	...	91.60	3	2 1 3.271	+ 2.8797	+ 0.0012		479
480	Ceti	8-9	...	91.99	3	2 1 11.383	+ 2.9980	+ 0.0048		480
481	Ceti	8-7	1	91.56	3	2 1 30.028	+ 3.0164	+ 0.0055		481
482	Ceti	7	1	90.93	3	2 1 35.926	+ 2.9638	+ 0.0037		482
483	Ceti	7-6	2	85.61	3	2 1 39.528	+ 2.8307	- 0.0001		483
484	Arietis	8	1	90.26	3	2 1 43.571	+ 3.2861	+ 0.0167		484
485	Ceti	7-8	...	87.78	3	2 1 59.170	+ 3.0591	+ 0.0071	- 0.0185	485
486	Ceti	8	1	92.03	3	2 2 51.304	+ 2.7984	- 0.0008		486
487	Ceti	7	3	85.24	3	2 2 55.092	+ 2.9451	+ 0.0032		487
488	Ceti	8-9	...	91.93	3	2 2 57.616	+ 2.9887	+ 0.0046		488
489	Ceti	7	1	86.23	3	2 3 2.923	+ 2.9861	+ 0.0045		489
490	Ceti	9	1	91.94	3	2 3 5.293	+ 3.0610	+ 0.0072		490
491	Ceti	8	1	91.40	2	2 3 5.553	+ 3.0611	+ 0.0072		491
492	Arietis	7-6	1	88.97	3	2 3 20.540	+ 3.2782	+ 0.0162		492
493	Ceti	6	3	81.90	3	2 3 32.673	+ 2.8455	+ 0.0005		493
494	62 Ceti	7	1	90.60	3	2 3 35.194	+ 3.0383	+ 0.0063	- 0.0051	494
495	Arietis	7-8	1	91.28	3	2 3 36.491	+ 3.3201	+ 0.0183		495

456. A red star.

464. A red star.

468. The R.A. given in Weisse's Bessel for this star is 1^m too small. W. B. I. 1049. No seventh magnitude star was visible near R.A. 2^h 0^m 42^s and N.P.D. 96° 24' on 1890 October 30, and 1891 December 31.

495. Double star: the companion is of the 10-9 magnitude.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
451	88.68	4	113 27 16.05	-17.629	+0.202				3684		784		451
452	88.37	4	113 27 21.03	-17.629	+0.202				3684		785		452
453	90.10	5	105 39 23.74	-17.626	+0.209								453
454	82.73	10	18 6 41.15	-17.621	+0.357	-0.017	260	215				304	454
455	86.57	3	104 24 26.84	-17.615	+0.210				3692	930			455
456	87.79	3	111 21 32.90	-17.598	+0.205	-0.005	272	231	3710		789		456
457	85.26	3	93 54 6.22	-17.594	+0.220				3704	942			457
458	88.05	5	111 36 39.49	-17.589	+0.205	+0.018	273	232	3721		790	309	458
459	85.19	4	99 3 24.18	-17.582	+0.216				3717	947		310	459
460	88.97	3	99 0 10.22	-17.565	+0.216				3731	952		313	460
461	83.95	3	92 54 26.01	-17.484	+0.225				3788	990			461
462	90.47	3	112 29 46.25	-17.477	+0.208				3798				462
463	85.63	3	90 24 6.66	-17.473	+0.227	-0.032	280	244	3793	994	810		463
464	88.89	3	72 16 31.76	-17.467	+0.243			243	3790			321	464
465	81.92	3	105 50 9.84	-17.467	+0.214						812	322	465
466	90.25	3	114 24 56.65	-17.463	+0.206				3813		813		466
467	86.64	3	94 37 50.94	-17.448	+0.225				3811			323	467
468	90.57	3	99 59 21.66	-17.446	+0.220				3818	989			468
469	82.91	3	90 52 4.51	-17.446	+0.228	+0.058	281	247	3808	1002	816		469
470	91.24	3	109 8 51.42	-17.435	+0.212								470
471	90.59	3	108 2 30.89	-17.424	+0.214				3833				471
472	85.23	4	102 23 17.12	-17.417	+0.219				3837	1017			472
473	91.60	3	104 20 30.69	-17.401	+0.218					1021			473
474	91.21	3	69 55 59.03	-17.358	+0.250				3853				474
475	90.19	3	94 53 25.98	-17.335	+0.229				3886	1048			475
476	84.94	3	100 48 4.58	-17.333	+0.223				3890	1054			476
477	82.90	3	90 29 24.25	-17.329	+0.233				3888	1053			477
478	81.79	12	67 3 28.28	-17.324	+0.254	+0.134	287	253	3870		830	326	478
479	91.60	3	105 58 15.15	-17.320	+0.219				3902				479
480	91.99	3	96 18 9.44	-17.315	+0.228					1063			480
481	91.56	3	94 44 30.75	-17.301	+0.230				3907	1069			481
482	90.93	3	99 7 49.42	-17.296	+0.226								482
483	85.61	3	109 39 45.32	-17.293	+0.216				3921				483
484	89.93	4	72 29 40.89	-17.290	+0.250			257	3904				484
485	87.78	3	91 7 51.15	-17.279	+0.234	+0.374			3922	1075			485
486	92.03	3	111 52 15.55	-17.241	+0.216								486
487	85.24	3	100 33 52.01	-17.237	+0.227				3953	1097			487
488	91.93	3	96 59 29.47	-17.235	+0.230					1098			488
489	86.23	3	97 12 3.00	-17.231	+0.230				3957	1102			489
490	91.94	3	90 57 34.21	-17.230	+0.236				3954	1100			490
491	91.61	3	90 57 32.05	-17.229	+0.236				3954	1101			491
492	88.96	4	73 17 29.14	-17.218	+0.253				3950				492
493	81.90	3	108 18 1.25	-17.209	+0.220				3979			330	493
494	90.45	4	92 51 8.77	-17.207	+0.235	+0.017	295	265	3973	4	844		494
495	90.65	4	70 10 22.91	-17.206	+0.256				3959				495

454, 478, are respectively 580, 615 of the Radcliffe Catalogue, 1845.

478 is 257 of the Radcliffe Catalogue, 1860.

485. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
496	Ceti	8-9	1	91°30	3	2	3	59.519	+ 2.7729	- 0.0013		496
497	Ceti	8-7	1	91°54	3	2	4	6.480	+ 2.8205	- 0.0001		497
498	15 Arietis	6-7	1	90°26	3	2	4	31.766	+ 3.3102	+ 0.0177	+ 0.0051	498
499	Fornacis	6-7	...	91°29	3	2	4	32.276	+ 2.7522	- 0.0016		499
500	Arietis	8-7	...	90°27	3	2	5	12.765	+ 3.3372	+ 0.0190	+ 0.0200	500
501	Ceti	7-8	1	90°49	3	2	5	25.706	+ 2.9062	+ 0.0023		501
502	Fornacis	7-6	...	89°28	3	2	5	45.085	+ 2.6901	- 0.0027		502
503	Ceti	7-6	3	81°95	3	2	5	47.478	+ 2.8779	+ 0.0015		503
504	Ceti	6	2	84°57	3	2	5	58.524	+ 2.9422	+ 0.0034	- 0.0030	504
505	63 Ceti	6	2	82°60	3	2	6	0.603	+ 3.0439	+ 0.0067	- 0.0015	505
506	Arietis	8-9	1	91°27	3	2	6	9.652	+ 3.3475	+ 0.0194		506
507	60 Andromedæ ... <i>b</i>	5-6*	...	85°37	4	2	6	19.467	+ 3.7419	+ 0.0423	- 0.0046	507
508	Ceti	7-6	1	86°62	3	2	6	20.360	+ 2.8415	+ 0.0006		508
509	Ceti	7-6	...	86°24	3	2	6	21.642	+ 2.8246	+ 0.0002		509
510	17 Arietis <i>η</i>	6-5	1	88°94	3	2	6	38.589	+ 3.3376	+ 0.0188	+ 0.0092	510
511	19 Arietis	6-5	2	86°14	3	2	7	3.308	+ 3.2580	+ 0.0151	+ 0.0049	511
512	66 Ceti (1st star)	8-7	...	93°02	3	2	7	9.482	+ 3.0367	+ 0.0064	+ 0.0237	512
513	65 Ceti <i>ξ</i> ¹	5	2	86°70	28	2	7	10.152	+ 3.1756	+ 0.0115	- 0.0032	513
514	66 Ceti (2nd star)	6	...	84°64	3	2	7	10.360	+ 3.0367	+ 0.0064	+ 0.0237	514
515	Arietis	7	1	90°60	3	2	7	45.554	+ 3.3174	+ 0.0178	+ 0.0008	515
516	Ceti	6-5	2	85°58	3	2	7	53.158	+ 2.7934	- 0.0004		516
517	Fornacis	7-8	1	89°85	3	2	8	9.638	+ 2.7658	- 0.0010		517
518	Ceti	7-6	3	81°92	3	2	8	28.544	+ 2.9525	+ 0.0038		518
519	Arietis	8-7	...	91°60	3	2	8	46.359	+ 3.3619	+ 0.0198		519
520	Ceti	8-7	2	91°86	3	2	8	51.747	+ 3.0003	+ 0.0053		520
521	Ceti	8-9	2	91°67	3	2	8	56.920	+ 3.0512	+ 0.0070	+ 0.0650	521
522	Ceti	7	2	86°89	3	2	9	30.724	+ 3.0751	+ 0.0079		522
523	Ceti	8	1	91°67	3	2	9	34.673	+ 2.9708	+ 0.0044		523
524	Ceti	8-7	1	90°41	3	2	9	51.338	+ 2.9126	+ 0.0028		524
525	Ceti	7	1	87°00	3	2	10	4.073	+ 2.9460	+ 0.0038		525
526	Ceti	8-9	2	91°59	3	2	10	13.011	+ 2.8596	+ 0.0015		526
527	9 Trianguli <i>γ</i>	4-5*	...	90°55	3	2	10	46.536	+ 3.5476	+ 0.0293	+ 0.0024	527
528	Ceti	7	2	85°28	3	2	10	50.038	+ 2.9408	+ 0.0036		528
529	Ceti	8-7	3	88°86	3	2	11	29.055	+ 2.9056	+ 0.0027		529
530	67 Ceti	6-5	4	85°80	31	2	11	29.749	+ 2.9843	+ 0.0049	+ 0.0036	530
531	Arietis	9-8	1	89°27	3	2	11	32.911	+ 3.3680	+ 0.0199		531
532	22 Arietis <i>θ</i>	5-6	3	88°89	6	2	12	0.439	+ 3.3288	+ 0.0181	- 0.0023	532
533	Arietis	8	2	89°98	3	2	12	23.562	+ 3.3585	+ 0.0194		533
534	Arietis	6	1	89°89	3	2	12	45.313	+ 3.3780	+ 0.0202		534
535	Persei	7-6	3	86°90	5	2	13	3.846	+ 4.1356	+ 0.0686		535
536	Persei	8-9	1	91°42	3	2	13	12.544	+ 4.1334	+ 0.0683		536
537	Ceti	7	2	89°26	3	2	13	45.506	+ 2.8038	+ 0.0005		537
538	68 Ceti <i>ο</i>	Var.	3	82°25	3	2	13	47.334	+ 3.0277	+ 0.0064	- 0.0022	538
539	Fornacis	6	...	85°48	3	2	14	2.794	+ 2.7050	- 0.0014	- 0.0200	539
540	Ceti	7-6	2	84°25	3	2	14	9.035	+ 3.0098	+ 0.0058		540

538. The limits of magnitude are 1.7 and 9.5 : the period is 332 days.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Basel, 1825.	Stone, Cape, 1830.	Greenwich, 1830.	No.
496	91°30	3	113 30 42°23	-17°189	+0°216				4000		847		496
497	91°54	3	110 5 29°17	-17°184	+0°219				4005				497
498	90°26	3	71 1 8°26	-17°164	+0°257	+0°031	296	267	3988			331	498
499	91°29	3	114 51 55°82	-17°164	+0°215				4023		855		499
500	90°27	3	69 8 29°04	-17°134	+0°260	0°000		1	4014				500
501	90°49	3	103 26 44°44	-17°124	+0°228				4042	33			501
502	89°62	3	118 44 20°21	-17°109	+0°212				4065		865		502
503	81°95	3	105 35 18°02	-17°108	+0°226				4057				503
504	84°57	3	100 33 55°72	-17°099	+0°232	+0°200			4060	48		337	504
505	82°60	3	92 20 34°07	-17°097	+0°239	+0°034	304	9	4055	43	868		505
506	91°27	3	68 31 59°74	-17°090	+0°263								506
507	88°48	4	46 17 5°07	-17°083	+0°293	+0°019	300	4	4028				507
508	86°62	3	108 15 40°79	-17°083	+0°224				4085				508
509	86°24	3	109 29 40°04	-17°081	+0°223				4089				509
510	88°94	3	69 18 20°87	-17°068	+0°263	-0°016	303	11	4063			339	510
511	86°14	3	75 14 8°83	-17°050	+0°257	+0°016	305	15	4091	62		340	511
512	89°98	3	92 54 40°00	-17°045	+0°241	+0°051		17	4098	67		343	512
513	84°68	7	81 40 9°98	-17°044	+0°251	+0°001	306	16	4074	65	872	342	513
514	84°64	3	92 54 28°95	-17°044	+0°241	+0°051	308	18	4099	68	874	344	514
515	90°60	3	70 54 4°00	-17°017	+0°263	-0°020	309	20	4106				515
516	85°58	3	111 31 1°39	-17°011	+0°223				4133				516
517	89°85	3	113 23 14°66	-16°998	+0°221				4142				517
518	81°92	3	99 34 48°13	-16°984	+0°236				4145	89			518
519	91°60	3	67 53 0°67	-16°970	+0°269				4136				519
520	91°86	3	95 46 59°52	-16°966	+0°241				4156	98			520
521	91°67	3	91 42 47°11	-16°962	+0°245	+0°050				95			521
522	86°89	3	89 47 33°82	-16°935	+0°248				4174	106			522
523	91°67	3	98 5 2°29	-16°932	+0°239					108			523
524	90°41	3	102 33 52°96	-16°920	+0°235				4196	115			524
525	87°00	3	99 58 44°36	-16°909	+0°238				4202	118			525
526	91°59	3	106 29 21°50	-16°902	+0°232								526
527	82°19	14	56 39 42°37	-16°876	+0°287	+0°034	318	37	4192				527
528	85°28	3	100 19 52°84	-16°873	+0°239				4224	131			528
529	88°86	3	102 57 7°77	-16°843	+0°237				4255	141			529
530	82°97	10	96 55 45°55	-16°842	+0°243	+0°109	321	47	4250	140	904	349	530
531	89°27	3	67 50 52°44	-16°840	+0°274								531
532	88°89	6	70 36 28°20	-16°818	+0°272	-0°010	320	49	4243			350	532
533	89°98	3	68 36 36°89	-16°799	+0°275								533
534	89°89	3	67 20 23°60	-16°782	+0°277				4271			354	534
535	88°31	6	34 35 50°44	-16°767	+0°338								535
536	91°62	3	34 40 50°20	-16°760	+0°338								536
537	89°26	3	110 2 28°14	-16°734	+0°233				4328				537
538	82°25	3	93 28 37°39	-16°732	+0°251	+0°230	329	56	4321		917		538
539	85°48	3	116 27 58°99	-16°720	+0°225	-0°420		59	4338		919		539
540	84°25	3	94 51 7°79	-16°715	+0°250			58	4330	184	920		540

507, 513, 532, are respectively 640, 643, 680 of the Radcliffe Catalogue, 1845.

500, 510, 512, 514, 530, 532, 538, 539, are respectively 265, 272, 274, 275, 280, 282, 284, 285 of the Radcliffe Catalogue, 1860.

500, 504, 521, 539. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
541	Arietis	9	2	89°22	3	2	14	24.601	+ 3.3362	+ 0.0181		541
542	9 Persei... .. <i>i</i>	5	1	87°66	3	2	14	41.356	+ 4.1446	+ 0.0684	— 0.0024	542
543	Ceti	8-7	1	90°42	3	2	14	51.662	+ 2.8747	+ 0.0022		543
544	Arietis	7-8	1	88°84	3	2	15	0.717	+ 3.3866	+ 0.0204		544
545	Fornacis	8-9	3	86°26	3	2	15	20.762	+ 2.7623	— 0.0003		545
546	Ceti	6-7	1	87°01	3	2	16	6.307	+ 2.7940	+ 0.0005		546
547	Ceti	7-8	1	90°43	3	2	16	14.123	+ 2.9667	+ 0.0047		547
548	69 Ceti	6-5	1	84°98	3	2	16	18.462	+ 3.0711	+ 0.0079	— 0.0015	548
549	Ceti	7-8	...	87°79	3	2	16	33.328	+ 2.8745	+ 0.0024		549
550	70 Ceti	6	3	84°58	3	2	16	36.049	+ 3.0543	+ 0.0073	— 0.0026	550
551	Ceti	5-6	2	86°28	3	2	16	38.574	+ 2.9228	+ 0.0035		551
552	Ceti	6-5	1	86°92	3	2	16	53.957	+ 2.8258	+ 0.0013		552
553	Arietis	8-7	2	86°32	3	2	17	20.273	+ 3.2100	+ 0.0127		553
554	Fornacis κ	5-6	1	81°66	3	2	17	30.481	+ 2.7314	— 0.0006	+ 0.0150	554
555	Arietis	9-8	2	90°65	3	2	17	36.744	+ 3.3612	+ 0.0190		555
556	Ceti	6-7	2	88°84	3	2	17	46.883	+ 2.8143	+ 0.0011		556
557	Ceti	7	1	86°56	3	2	17	53.928	+ 2.9837	+ 0.0052		557
558	Ceti	7	1	82°89	3	2	18	49.728	+ 3.0246	+ 0.0065		558
559	Ceti	7-6	1	84°31	3	2	18	56.841	+ 2.8432	+ 0.0018		559
560	Ceti	7	...	90°66	3	2	19	10.879	+ 2.8852	+ 0.0028		560
561	Fornacis	6-7	...	84°20	3	2	19	23.443	+ 2.6942	— 0.0010		561
562	Ceti	7	2	85°28	3	2	19	24.365	+ 3.0139	+ 0.0062		562
563	71 Ceti	6-7	1	88°59	3	2	19	24.820	+ 3.0287	+ 0.0066	— 0.0009	563
564	Cassiopeiæ	4*	...	87°66	4	2	20	0.431	+ 4.8708	+ 0.1318	— 0.0046	564
565	Ceti <i>R</i>	Var.	3	90°91	3	2	20	24.764	+ 3.0634	+ 0.0077		565
566	Ceti	8	2	91°01	3	2	20	32.440	+ 2.9405	+ 0.0042		566
567	72 Ceti ρ	5	1	84°27	3	2	20	38.018	+ 2.8978	+ 0.0032	— 0.0029	567
568	Arietis	8-7	2	89°24	3	2	20	44.724	+ 3.3898	+ 0.0200		568
569	Ceti	6-5	1	86°98	3	2	20	46.629	+ 2.8539	+ 0.0022		569
570	Ceti	6-7	1	89°80	3	2	21	28.307	+ 2.7826	+ 0.0007		570
571	Ceti	7	2	86°92	3	2	21	52.716	+ 3.0556	+ 0.0075		571
572	Arietis	9-8	...	90°57	3	2	22	0.234	+ 3.4204	+ 0.0212		572
573	Ceti	7	3	88°55	3	2	22	11.290	+ 2.9713	+ 0.0051		573
574	73 Ceti ξ^2	4	5	87°66	36	2	22	18.610	+ 3.1814	+ 0.0116	+ 0.0011	574
575	Arietis	6	1	88°86	4	2	22	57.411	+ 3.4036	+ 0.0204		575
576	Arietis	8	3	89°50	3	2	23	4.436	+ 3.3741	+ 0.0191		576
577	Fornacis	5-6	...	88°26	3	2	23	22.250	+ 2.5384	— 0.0026		577
578	Ceti	7	1	85°22	3	2	23	25.701	+ 2.9084	+ 0.0035		578
579	Ceti	8-7	1	91°95	3	2	23	43.700	+ 2.8007	+ 0.0013		579
580	Ceti	7	2	88°90	3	2	24	5.913	+ 2.8852	+ 0.0031		580
581	Arietis	6-5	1	88°87	3	2	24	12.682	+ 3.4352	+ 0.0217		581
582	Ceti	7	1	86°89	3	2	24	13.572	+ 2.7621	+ 0.0006		582
583	Ceti	8	1	91°64	3	2	24	30.101	+ 3.0328	+ 0.0069		583
584	Fornacis	6-7	2	82°28	3	2	24	53.906	+ 2.7343	+ 0.0001		584
585	Ceti	8-9	2	91°69	3	2	24	55.081	+ 2.8239	+ 0.0018		585

560. The R.A. given in Weisse's Bessel for this star is 1^m too small.

562. A star of the 8 magnitude follows 12^s.5, and is 1' north.

565. The limits of magnitude are 7.5 and 13.5 : the period is 240 days.

566. A star of the 8-9 magnitude precedes 10^s.

580. A star of the 9 magnitude follows about 11^s, and is 2' south.

No.	Mean Time of Observa- tion.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
541	89.22	3	70 22 51.03	- 16.702	+ 0.277								541
542	87.54	4	34 39 29.96	- 16.689	+ 0.341	+ 0.011	326	55	4301			355	542
543	90.42	3	104 55 21.02	- 16.680	+ 0.240				4350	202			543
544	88.84	3	67 4 37.70	- 16.673	+ 0.282								544
545	86.26	3	112 37 26.88	- 16.656	+ 0.232						930		545
546	87.01	3	110 25 9.01	- 16.620	+ 0.235								546
547	90.43	3	98 2 46.69	- 16.613	+ 0.249				4386				547
548	84.98	3	90 6 24.95	- 16.610	+ 0.258	+ 0.015	333	69		221	934		548
549	87.79	3	104 47 10.66	- 16.598	+ 0.242				4397	230			549
550	84.58	3	91 23 9.93	- 16.595	+ 0.257	+ 0.052	335	70	4394	224	937		550
551	86.28	3	101 16 39.76	- 16.593	+ 0.247				4396	231		357	551
552	86.92	3	108 9 47.41	- 16.581	+ 0.239				4410			358	552
553	86.32	3	79 39 54.31	- 16.559	+ 0.271				4407	240		359	553
554	81.80	3	114 18 58.77	- 16.551	+ 0.232	+ 0.060		73	4426		942	360	554
555	90.65	3	69 5 8.85	- 16.545	+ 0.284								555
556	88.84	3	108 51 8.30	- 16.537	+ 0.239				4436				556
557	86.56	3	96 41 32.51	- 16.531	+ 0.253				4430	250			557
558	82.89	3	93 35 58.75	- 16.485	+ 0.258				4452	270			558
559	84.31	3	106 45 13.83	- 16.479	+ 0.243				4466				559
560	90.66	3	103 47 29.74	- 16.468	+ 0.247				4473	258			560
561	84.20	3	116 20 49.25	- 16.457	+ 0.232				4487		957		561
562	85.28	3	94 23 20.83	- 16.457	+ 0.258				4476				562
563	88.59	3	93 16 41.86	- 16.456	+ 0.260	- 0.007	339	80	4475	283	956		563
564	84.08	10	23 5 33.30	- 16.426	+ 0.415	0.000	332	72	4412			365	564
565	90.91	3	90 40 30.44	- 16.406	+ 0.264				4507				565
566	91.01	3	99 44 15.01	- 16.400	+ 0.254					304			566
567	84.27	3	102 47 12.56	- 16.395	+ 0.250	- 0.003	343	87	4515	307	968		567
568	89.24	3	67 37 0.07	- 16.389	+ 0.292								568
569	86.98	3	105 50 10.25	- 16.387	+ 0.247								569
570	89.80	3	110 32 27.91	- 16.352	+ 0.242				4552			367	570
571	86.92	3	91 14 46.28	- 16.333	+ 0.266				4553	324			571
572	90.13	4	65 51 41.96	- 16.326	+ 0.297				4536				572
573	88.55	3	97 25 17.25	- 16.316	+ 0.259				4569	332			573
574	84.83	8	82 1 59.56	- 16.309	+ 0.277	+ 0.001	347	94	4557	329	973	369	574
575	88.86	4	67 1 19.55	- 16.277	+ 0.297				4572			371	575
576	89.50	3	68 53 48.93	- 16.271	+ 0.295								576
577	88.26	3	124 18 16.48	- 16.255	+ 0.224			99			981		577
578	85.22	3	101 50 14.38	- 16.252	+ 0.256				4607				578
579	91.95	3	109 6 41.56	- 16.237	+ 0.247								579
580	88.90	3	103 24 9.23	- 16.218	+ 0.255				4635	371			580
581	88.85	4	65 15 9.73	- 16.212	+ 0.302			96	4608			372	581
582	86.89	3	111 31 40.03	- 16.211	+ 0.244								582
583	91.64	3	92 52 55.98	- 16.198	+ 0.268				4644	377			583
584	82.28	3	113 10 23.04	- 16.177	+ 0.243			104	4670		995		584
585	91.69	3	107 28 1.85	- 16.176	+ 0.250				4668				585

542, 564, 574, are respectively 689, 706, 721 of the Radcliffe Catalogue, 1845.
554, 574, are respectively 289, 301 of the Radcliffe Catalogue, 1860.
554. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
586	Ceti	8-7	2	87.55	3	2	24	56.672	+ 2.9961	+ 0.0059		586
587	Ceti	7-6	2	85.63	3	2	25	7.479	+ 3.0693	+ 0.0080		587
588	Fornacis	7-6	3	84.30	3	2	25	31.811	+ 2.7354	+ 0.0002		588
589	Fornacis	7	...	...	...	2	25	34.836	+ 2.5455	- 0.0022		589
590	Persei... ..	6	3	81.64	4	2	25	46.502	+ 4.0824	+ 0.0583		590
591	Ceti	7-8	...	90.18	3	2	25	50.154	+ 2.8503	+ 0.0025		591
592	Arietis	8-7	3	88.88	3	2	26	8.567	+ 3.3916	+ 0.0195		592
593	75 Ceti	5-6	1	86.27	3	2	26	33.512	+ 3.0513	+ 0.0075	- 0.0020	593
594	76 Ceti	5-4	2	85.95	3	2	26	52.286	+ 2.8474	+ 0.0025	- 0.0062	594
595	Ceti	8-9	1	91.01	3	2	27	31.315	+ 2.9428	+ 0.0046		595
596	Cassiopeia... ..	6-5	2	82.50	7	2	27	34.969	+ 5.5929	+ 0.2052	- 0.0045	596
597	Arietis	8	3	88.95	3	2	28	18.721	+ 3.4383	+ 0.0213		597
598	Arietis	8-9	2	88.89	3	2	28	23.466	+ 3.4063	+ 0.0199		598
599	Ceti	U	2	91.94	3	2	28	26.861	+ 2.8769	+ 0.0032		599
600	Ceti	7-6	...	90.44	3	2	28	35.554	+ 2.7709	+ 0.0011		600
601	Ceti	7-6	4	86.89	3	2	28	37.279	+ 2.8888	+ 0.0035		601
602	Ceti	8	4	87.58	3	2	28	38.352	+ 2.9859	+ 0.0057		602
603	Ceti	8-7	3	89.63	3	2	28	38.423	+ 2.9859	+ 0.0057		603
604	Fornacis	6	...	88.36	3	2	29	1.506	+ 2.6291	- 0.0009		604
605	77 Ceti	6-5	2	84.26	3	2	29	16.900	+ 2.9537	+ 0.0050	+ 0.0039	605
606	Fornacis	7	...	80.89	3	2	29	30.379	+ 2.5334	- 0.0019		606
607	Fornacis	7	...	90.36	3	2	29	34.851	+ 2.7377	+ 0.0006		607
608	79 Ceti	6-7	1	86.94	3	2	29	49.074	+ 3.0152	+ 0.0066	- 0.0130	608
609	Ceti	7-8	2	90.41	3	2	29	54.508	+ 2.8118	+ 0.0019		609
610	Ceti	7-6	...	87.30	3	2	30	1.618	+ 2.9314	+ 0.0045		610
611	78 Ceti	5-4	1	88.10	11	2	30	6.060	+ 3.1453	+ 0.0103	- 0.0051	611
612	Ceti	7-8	2	90.85	3	2	30	25.208	+ 2.8474	+ 0.0028		612
613	Arietis	8	1	90.54	3	2	30	25.574	+ 3.4116	+ 0.0200		613
614	80 Ceti	6-5	3	85.27	3	2	30	35.029	+ 2.9532	+ 0.0050	- 0.0040	614
615	31 Arietis	6*	...	91.95	3	2	30	37.938	+ 3.2457	+ 0.0137	+ 0.0177	615
616	30 Arietis	7	...	90.58	3	2	30	39.969	+ 3.4391	+ 0.0212	+ 0.0087	616
617	Ceti	7	2	90.27	3	2	30	48.239	+ 2.8051	+ 0.0019		617
618	Ceti	7-8	...	90.90	3	2	30	56.676	+ 2.9039	+ 0.0040		618
619	Eridani	7-6	...	91.04	3	2	30	57.435	+ 2.7438	+ 0.0008		619
620	Ceti	7-8	...	91.56	3	2	31	3.422	+ 2.8778	+ 0.0033		620
621	Ceti	7	...	86.94	3	2	31	20.447	+ 2.8507	+ 0.0029		621
622	Arietis	8-9	2	90.22	3	2	31	32.221	+ 3.4151	+ 0.0200		622
623	Ceti	7-8	1	90.91	3	2	31	33.751	+ 3.0321	+ 0.0071		623
624	Eridani	7-8	3	90.93	3	2	31	46.300	+ 2.7635	+ 0.0012		624
625	81 Ceti	6	1	86.01	3	2	32	9.238	+ 3.0167	+ 0.0066	+ 0.0022	625
626	Fornacis	7-6	3	84.62	3	2	32	45.802	+ 2.7136	+ 0.0005		626
627	Arietis	8-7	1	89.63	4	2	33	8.065	+ 3.2210	+ 0.0127		627
628	Eridani	7	...	90.54	3	2	33	30.352	+ 2.7551	+ 0.0013		628
629	Ceti	7	1	86.96	3	2	33	35.594	+ 2.9350	+ 0.0047		629
630	Ceti	7-6	2	82.95	4	2	33	47.434	+ 2.9214	+ 0.0044		630

589. The R.A. has been supplied from the Cape Catalogue, 1880.

599. The limits of magnitude are 6.8 and below 10.5: the period is 236 days.

616. The second and brighter of two stars has been observed.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
586	87.55	3	95 31 13.01	-16.174	+0.265				4658	388			586
587	85.63	3	90 13 53.87	-16.166	+0.272				4661	389			587
588	84.30	3	113 1 59.53	-16.144	+0.244			107	4692		998		588
589	80.96	1	123 35 52.79	-16.141	+0.227						999		589
590	81.74	4	38 10 38.41	-16.132	+0.361			100	4631				590
591	90.18	3	105 37 23.42	-16.128	+0.254			108	4696		1001		591
592	88.88	3	68 9 10.06	-16.111	+0.301				4679				592
593	86.27	3	91 31 14.71	-16.091	+0.273	+0.032	354	110	4708	411	1006	379	593
594	85.95	3	105 43 39.62	-16.075	+0.255	+0.108	356	113	4731		1009		594
595	91.01	3	99 11 8.36	-16.041	+0.264								595
596	82.53	7	17 39 48.94	-16.037	+0.497	-0.011	348	97				380	596
597	88.96	4	65 35 22.69	-15.998	+0.309				4748				597
598	88.89	3	67 30 51.41	-15.995	+0.307								598
599	91.94	3	103 37 56.02	-15.991	+0.260								599
600	90.44	3	110 29 1.68	-15.983	+0.251				4779				600
601	86.89	3	102 49 11.63	-15.982	+0.261				4774	445			601
602	88.66	4	96 7 8.00	-15.982	+0.270				4773	442			602
603	88.92	5	96 7 11.93	-15.982	+0.270				4773	443			603
604	88.36	3	118 42 56.49	-15.960	+0.239			122	4836		1024	384	604
605	84.26	3	98 20 24.37	-15.947	+0.268	+0.071	359	121	4800	457	1027		605
606	80.89	4	123 35 52.54	-15.936	+0.231						1028		606
607	90.36	3	112 24 38.29	-15.931	+0.249				4817		1030		607
608	86.94	3	94 1 44.80	-15.919	+0.274	+0.427	363	124	4810	468	1032		608
609	90.41	3	107 46 17.70	-15.914	+0.256				4826				609
610	87.30	3	99 49 55.54	-15.907	+0.267				4824	476			610
611	86.26	3	84 53 13.15	-15.904	+0.286	+0.028	362	125		472	1034	387	611
612	90.85	3	105 25 25.93	-15.887	+0.260				4837				612
613	90.10	4	67 25 38.83	-15.886	+0.310				4808				613
614	85.27	3	98 18 36.62	-15.878	+0.270	+0.064	365	131	4838	487	1037		614
615	91.95	3	78 1 46.68	-15.875	+0.296	+0.075	364	129	4828				615
616	90.58	3	65 49 54.21	-15.873	+0.313	+0.007	361	128	4818			390	616
617	90.27	3	108 6 46.56	-15.866	+0.257				4850				617
618	90.90	3	101 38 46.59	-15.858	+0.266				4849	492			618
619	91.04	3	111 53 3.45	-15.858	+0.252				4860				619
620	91.56	3	103 22 35.67	-15.853	+0.264				4856	497			620
621	86.94	3	105 8 8.18	-15.838	+0.262				4873				621
622	90.22	3	67 20 53.87	-15.827	+0.313				4846				622
623	90.91	3	92 48 48.80	-15.825	+0.278				4872	502			623
624	90.93	3	110 35 58.72	-15.815	+0.255								624
625	86.01	3	93 52 21.15	-15.794	+0.278	+0.028	368	138	4893	516	1047		625
626	84.62	3	113 28 13.99	-15.761	+0.252				4915		1053		626
627	90.83	3	79 50 13.10	-15.741	+0.298			140	4909	528			627
628	90.54	3	110 55 50.40	-15.721	+0.256				4934				628
629	86.96	3	99 24 6.32	-15.716	+0.273					544			629
630	82.94	3	100 18 18.79	-15.706	+0.272								630

590, 593, 594, 596, 605, 611, are respectively 732, 736, 739, 735, 748, 753 of the Radcliffe Catalogue, 1845.
 593, 594, 605, 608, 611, 615, 616, 627, are respectively 305, 306, 309, 311, 313, 317, 315, 321 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
631	82 Ceti δ	4-3	1	87.33	21	2	33	50.638	+ 3.0704	+ 0.0081	+ 0.0004	631
632	Ceti	8-7	1	91.24	3	2	34	9.493	+ 2.8531	+ 0.0031		632
633	83 Ceti ϵ	5-4*	...	87.81	3	2	34	14.563	+ 2.8902	+ 0.0038	+ 0.0081	633
634	Ceti	7-8	3	90.56	3	2	34	50.107	+ 2.8204	+ 0.0024		634
635	Ceti	6-5	1	84.96	3	2	34	51.308	+ 2.9262	+ 0.0045		635
636	Ceti	8-9	1	91.99	3	2	34	58.769	+ 2.9563	+ 0.0053		636
637	Ceti	7-6	2	86.92	3	2	35	12.451	+ 2.8493	+ 0.0031		637
638	84 Ceti	6	1	85.95	3	2	35	35.717	+ 3.0554	+ 0.0078	+ 0.0043	638
639	Eridani	8	1	91.67	3	2	35	37.154	+ 2.7325	+ 0.0010		639
640	Ceti	9-8	3	91.90	3	2	35	43.979	+ 2.9954	+ 0.0062		640
641	Eridani	8-9	1	91.37	3	2	36	4.402	+ 2.7943	+ 0.0021		641
642	Ceti	7-6	2	84.95	3	2	36	15.963	+ 3.0183	+ 0.0068		642
643	Ceti	8	1	89.49	3	2	36	17.138	+ 2.8377	+ 0.0029		643
644	Ceti	6	3	86.25	3	2	36	20.877	+ 2.8463	+ 0.0030		644
645	13 Persei θ	4-5	1	83.33	5	2	36	41.219	+ 4.0358	+ 0.0508	+ 0.0330	645
646	Ceti	7-8	1	89.83	3	2	37	7.666	+ 2.8219	+ 0.0026		646
647	86 Ceti γ	3	1	87.59	27	2	37	36.004	+ 3.1136	+ 0.0094	- 0.0114	647
648	Ceti	7-6	1	86.95	3	2	37	55.195	+ 3.0280	+ 0.0071		648
649	Ceti	6-7	1	84.60	3	2	38	30.874	+ 2.9469	+ 0.0051		649
650	Ceti	7	3	89.64	4	2	38	32.171	+ 2.9757	+ 0.0059		650
651	89 Ceti π	5-4	1	82.94	3	2	38	53.097	+ 2.8543	+ 0.0033	- 0.0028	651
652	38 Arietis	5*	...	88.92	3	2	38	57.910	+ 3.2539	+ 0.0137	+ 0.0073	652
653	87 Ceti μ	4*	...	86.77	3	2	38	59.647	+ 3.2178	+ 0.0125	+ 0.0164	653
654	Fornacis	6	...	88.62	3	2	39	43.509	+ 2.5155	- 0.0010		654
655	1 Eridani τ^1	5-4	1	85.95	3	2	39	57.992	+ 2.7760	+ 0.0021	+ 0.0218	655
656	Fornacis	7-8	2	87.96	3	2	40	2.789	+ 2.7142	+ 0.0011		656
657	Eridani	7-8	1	87.26	3	2	40	16.326	+ 2.7445	+ 0.0015		657
658	Ceti	8-9	2	91.33	3	2	40	18.651	+ 2.8963	+ 0.0043		658
659	Ceti	7-8	4	86.57	3	2	40	29.797	+ 2.9908	+ 0.0063		659
660	Ceti	8	1	91.33	3	2	41	41.065	+ 2.8281	+ 0.0030		660
661	Eridani	7-6	1	89.20	3	2	41	45.068	+ 2.7204	+ 0.0013		661
662	Ceti	8-9	1	91.66	3	2	42	6.337	+ 2.9278	+ 0.0049		662
663	Fornacis	7	1	83.72	4	2	42	13.690	+ 2.7045	+ 0.0011		663
664	40 Arietis	6	3	85.80	3	2	42	21.984	+ 3.3522	+ 0.0169	+ 0.0018	664
665	Ceti	7-6	3	85.92.	3	2	42	39.606	+ 2.8727	+ 0.0039		665
666	Ceti	8	1	89.92	3	2	42	51.555	+ 2.9910	+ 0.0063		666
667	Ceti	7-8	1	89.92	3	2	42	53.104	+ 2.9904	+ 0.0063		667
668	Ceti	7-8	2	86.87	3	2	43	1.434	+ 2.9777	+ 0.0060		668
669	41 Arietis	4	1	88.57	3	2	43	30.516	+ 3.5146	+ 0.0229	+ 0.0032	669
670	Eridani	8	1	91.68	3	2	43	31.476	+ 2.8005	+ 0.0027		670
671	Ceti	7-8	2	87.59	3	2	43	32.056	+ 3.0008	+ 0.0066		671
672	Eridani	7	1	90.43	3	2	43	37.438	+ 2.7316	+ 0.0016		672
673	Ceti	7-8	...	91.69	3	2	43	58.448	+ 3.0796	+ 0.0085		673
674	Ceti	7	1	84.28	3	2	44	52.340	+ 2.9886	+ 0.0063		674
675	Ceti	7-8	3	91.66	3	2	44	54.134	+ 2.9602	+ 0.0056		675

647. A companion of the 7-8 magnitude precedes, and is north.

661. A star of the 7-8 magnitude precedes, and is south.

662. Lalande's R.A. is 1^m too great.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
631	85°40	4	90 8 46.98	-15°702	+0.285	+0.007	372	144	4927	547	1057	395	631
632	91°24	3	104 45 29.44	-15°686	+0.266				4946	558			632
633	87°81	3	102 20 21.75	-15°680	+0.269	+0.245	375	149	4949	561	1064	397	633
634	90°56	3	106 46 54.84	-15°648	+0.264				4976				634
635	84°96	3	99 55 25.40	-15°647	+0.274				4969	570		399	635
636	91°99	3	97 54 16.34	-15°640	+0.277					572			636
637	86°92	3	104 55 20.41	-15°628	+0.267				4987	583			637
638	85°95	3	91 9 48.88	-15°606	+0.287	+0.119	378	152	4991	586	1077		638
639	91°67	3	112 2 43.96	-15°605	+0.257								639
640	91°90	3	95 14 27.38	-15°599	+0.281				4997	591			640
641	91°37	3	108 17 29.73	-15°580	+0.263								641
642	84°95	3	93 41 3.15	-15°569	+0.284				5008	598			642
643	89°49	3	105 34 11.04	-15°569	+0.268				5018				643
644	86°25	3	105 1 17.64	-15°565	+0.268				5020				644
645	86°12	6	41 14 13.79	-15°546	+0.379	+0.093	374	150	4979			404	645
646	89°83	3	106 29 28.87	-15°521	+0.267				5040				646
647	83°48	5	87 13 40.58	-15°496	+0.295	+0.156	383	161	5045	616	1096	408	647
648	86°95	3	92 59 59.00	-15°478	+0.288				5058	624			648
649	84°60	3	98 22 39.02	-15°444	+0.281				5076	632			649
650	89°64	4	96 28 36.44	-15°444	+0.283				5074				650
651	82°94	3	104 19 29.77	-15°424	+0.273	+0.009	388	170	5096	642	1109	410	651
652	88°92	3	78 1 1.95	-15°419	+0.310	+0.069	386	166	5075	634		411	652
653	86°77	3	80 21 1.52	-15°418	+0.307	+0.020	387	167	5079	636	1111	412	653
654	88°62	3	122 59 22.32	-15°377	+0.242			176			1122		654
655	85°95	3	109 2 17.69	-15°363	+0.267	-0.054	390	175	5130		1124	413	655
656	87°96	3	112 37 41.64	-15°359	+0.261				5138		1125		656
657	87°26	3	110 51 58.70	-15°347	+0.264				5146				657
658	91°33	3	101 34 6.62	-15°344	+0.279					665			658
659	86°57	3	95 25 12.51	-15°333	+0.288				5140	666			659
660	91°33	3	105 44 51.97	-15°266	+0.274				5192				660
661	89°20	3	112 6 6.58	-15°263	+0.264				5196				661
662	91°66	3	99 27 21.56	-15°243	+0.284				5229	695			662
663	83°72	4	112 56 43.25	-15°235	+0.263				5211		1141		663
664	85°80	3	72 10 28.70	-15°228	+0.325	+0.021	393	182	5184			417	664
665	85°92	3	102 55 8.72	-15°210	+0.280				5220	705			665
666	89°92	3	95 20 20.75	-15°199	+0.291					707			666
667	89°92	3	95 22 45.92	-15°198	+0.291					708			667
668	86°87	3	96 11 50.03	-15°191	+0.290				5225				668
669	85°28	6	63 11 34.71	-15°162	+0.342	+0.119	395	186	5216			419	669
670	91°68	3	107 16 13.00	-15°162	+0.274				5245				670
671	87°59	3	94 40 57.71	-15°161	+0.293				5236	716			671
672	90°43	3	111 16 45.11	-15°156	+0.267				5252				672
673	91°69	3	89 32 7.65	-15°136	+0.301				5246	723			673
674	84°28	3	95 26 32.02	-15°084	+0.294				5276	738			674
675	91°66	3	97 15 41.07	-15°082	+0.291					742			675

645, 647, 653, 655, are respectively 777, 784, 788, 795 of the Radcliffe Catalogue, 1845.

631, 633, 638, 645, 647, 652, 653, 655, 664, 669, are respectively 323, 325, 327, 330, 331, 333, 334, 337, 340, 342 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
676	43 Arietis σ	6.5	6	86.68	29	2 45 25.165	+ 3.3030	+ 0.0150	- 0.0002	676
677	Ceti	8.7	2	91.41	3	2 45 49.897	+ 3.0548	+ 0.0079		677
678	Ceti	8	1	91.72	3	2 45 49.902	+ 3.0191	+ 0.0071		678
679	2 Eridani τ^2	4.5	1	86.93	3	2 46 2.772	+ 2.7242	+ 0.0016	- 0.0062	679
680	18 Persei... .. τ	4*	...	89.11	3	2 46 27.757	+ 4.2216	+ 0.0584	- 0.0018	680
681	Eridani	7.8	1	87.80	3	2 46 50.842	+ 2.9361	+ 0.0052		681
682	Eridani	8.9	2	91.28	3	2 46 54.408	+ 2.7694	+ 0.0024		682
683	Eridani	6.7	1	85.95	3	2 47 13.850	+ 2.8632	+ 0.0039	+ 0.0250	683
684	Eridani	6.7	2	82.60	3	2 47 28.623	+ 2.9169	+ 0.0049		684
685	Eridani	8.7	4	90.34	4	2 47 38.988	+ 2.7983	+ 0.0029		685
686	Eridani	7.8	3	86.82	3	2 47 44.387	+ 2.9833	+ 0.0062		686
687	Eridani	7	1	89.83	3	2 48 10.958	+ 2.9435	+ 0.0054		687
688	Eridani	7.6	1	88.59	3	2 48 20.985	+ 2.7006	+ 0.0015		688
689	Eridani	6	1	90.08	5	2 48 37.996	+ 2.6949	+ 0.0014		689
690	Eridani	7	3	85.32	3	2 48 47.961	+ 2.8997	+ 0.0047		690
691	Ceti	6.7	2	86.99	3	2 49 9.474	+ 3.0647	+ 0.0082		691
692	Eridani	7.8	2	87.86	3	2 49 10.158	+ 2.9815	+ 0.0062		692
693	Ceti	8.7	...	86.92	3	2 49 35.563	+ 3.0724	+ 0.0084		693
694	45 Arietis ρ^2	6.5	3	86.57	3	2 49 37.579	+ 3.3635	+ 0.0167	- 0.0022	694
695	Eridani	7.6	2	84.59	3	2 49 41.611	+ 2.8397	+ 0.0036		695
696	Eridani	9	1	89.84	3	2 49 49.565	+ 2.9910	+ 0.0065		696
697	Fornacis	6	...	87.20	3	2 50 39.127	+ 2.6355	+ 0.0010		697
698	Eridani	7.8	1	91.25	4	2 50 41.082	+ 2.7391	+ 0.0022		698
699	3 Eridani η	3.4	1	85.88	3	2 51 3.185	+ 2.9233	+ 0.0052	+ 0.0038	699
700	Eridani	6.5*	...	86.66	3	2 51 6.569	+ 3.0065	+ 0.0068		700
701	Cephei	6	1	82.60	8	2 51 29.043	+ 7.7441	+ 0.4608	- 0.0111	701
702	Ceti	7.6	1	86.92	3	2 51 31.694	+ 3.0726	+ 0.0084		702
703	Ceti	8.7	...	89.52	3	2 51 33.999	+ 3.0563	+ 0.0080		703
704	Eridani	9.8	1	89.84	3	2 52 27.584	+ 2.9899	+ 0.0065		704
705	4 Eridani	5*	...	87.57	3	2 52 30.165	+ 2.6598	+ 0.0014	+ 0.0049	705
706	Eridani	8.7	2	91.64	3	2 52 52.382	+ 2.8051	+ 0.0032		706
707	48 Arietis ϵ	4.5	1	86.77	9	2 52 55.305	+ 3.4222	+ 0.0184	- 0.0025	707
708	Eridani	7.6	1	86.20	3	2 52 56.415	+ 2.8704	+ 0.0043		708
709	Eridani	5	1	84.31	3	2 53 9.568	+ 3.0209	+ 0.0072		709
710	6 Eridani	6	2	90.57	3	2 53 11.959	+ 2.6634	+ 0.0015	+ 0.0030	710
711	Eridani	6	2	89.20	4	2 53 27.209	+ 2.9071	+ 0.0050		711
712	Eridani	8	2	90.67	3	2 53 39.271	+ 2.9885	+ 0.0065		712
713	91 Ceti λ	5.4*	...	90.53	5	2 53 49.127	+ 3.2094	+ 0.0118	- 0.0014	713
714	5 Eridani	5.6	2	86.91	3	2 54 7.914	+ 3.0258	+ 0.0073	- 0.0009	714
715	Eridani	7.6	3	82.66	3	2 54 11.586	+ 2.9493	+ 0.0057		715
716	Eridani	7	2	85.28	3	2 54 42.631	+ 2.8402	+ 0.0039		716
717	Fornacis	6	...	88.61	3	2 55 5.970	+ 2.4731	0.0000		717
718	7 Eridani	6	6	88.51	3	2 55 18.274	+ 3.0189	+ 0.0073	- 0.0010	718
719	8 Eridani ρ^1	6.7	2	85.94	3	2 55 45.494	+ 2.9405	+ 0.0056	+ 0.0045	719
720	Eridani	8.7	1	90.61	3	2 55 49.524	+ 2.7139	+ 0.0022		720

707. A close double star: Observed as one mass.

718. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
676	83°12	6	75 22 17.61	-15°053	+0.325	+0.039	400	192	5280	744	1161	425	676
677	91°41	3	91 8 32.71	-15°029	+0.301				5304	760			677
678	91°72	3	93 27 5.15	-15°029	+0.298				5306	763			678
679	86°93	3	111 27 27.46	-15°016	+0.270	+0.023	404	202	5321		1164	426	679
680	87°67	4	37 41 18.51	-14°993	+0.415	+0.009	399	190	5268			427	680
681	87°80	3	98 43 7.83	-14°969	+0.291				5333	777			681
682	91°28	3	108 48 50.31	-14°966	+0.275								682
683	85°95	3	103 12 56.73	-14°947	+0.285	+0.170			5340	784			683
684	82°60	3	99 53 36.97	-14°932	+0.290				5499	788			684
685	90°34	4	107 4 12.49	-14°923	+0.279				5355				685
686	86°82	3	95 41 58.03	-14°918	+0.297				5351	793			686
687	89°83	3	98 11 53.83	-14°892	+0.294				5374	804			687
688	88°59	3	112 32 25.09	-14°882	+0.270				5383		1179		688
689	90°08	5	112 49 24.36	-14°865	+0.270				5399		1183		689
690	85°32	3	100 53 28.09	-14°856	+0.291				5387	814			690
691	86°99	3	90 29 50.39	-14°835	+0.307				5397	820			691
692	87°86	3	95 46 41.88	-14°834	+0.299				5404	821			692
693	86°92	3	90 0 31.47	-14°809	+0.309				5410	831			693
694	86°57	3	72 6 51.38	-14°806	+0.337	+0.005	406	212	5400		1187	431	694
695	84°59	3	104 28 19.45	-14°802	+0.286				5421	840			695
696	89°84	3	95 9 29.12	-14°794	+0.301					838			696
697	87°20	3	115 44 54.87	-14°746	+0.267						1201		697
698	91°32	3	110 12 7.93	-14°744	+0.277				5448				698
699	85°88	3	99 20 9.84	-14°723	+0.296	+0.215	413	219	5451	863	1204	436	699
700	86°66	3	94 9 19.87	-14°719	+0.304				5449	861		437	700
701	82°62	8	11 1 1.51	-14°697	+0.775	-0.015	392	191	5271			435	701
702	86°92	3	89 59 44.30	-14°694	+0.311				5464	872			702
703	89°52	3	91 1 6.46	-14°692	+0.310				5465	873			703
704	89°84	3	95 9 59.29	-14°638	+0.304					887			704
705	87°57	3	114 18 13.17	-14°636	+0.272	+0.033	418	225	5510		1219	441	705
706	91°64	3	106 17 2.94	-14°614	+0.286				5519				706
707	81°73	12	69 5 59.85	-14°611	+0.348	+0.006	415	224	5486			444	707
708	86°20	3	102 26 47.97	-14°610	+0.293				5518	892			708
709	84°31	3	93 13 17.60	-14°596	+0.308				5514	895		446	709
710	90°57	3	114 2 56.38	-14°594	+0.273	-0.063	421	229	5539		1226		710
711	89°20	4	100 12 58.30	-14°579	+0.297				5532	902			711
712	90°67	3	95 13 22.84	-14°567	+0.306					907			712
713	90°53	5	81 31 52.63	-14°557	+0.328	+0.006	419	228	5529	904			713
714	86°91	4	92 54 11.64	-14°538	+0.310	+0.003	423	231	5546	916	1229	449	714
715	82°66	3	97 37 2.54	-14°534	+0.303				5550	920			715
716	85°28	3	104 7 18.48	-14°503	+0.292				5570	934			716
717	88°61	3	122 56 41.86	-14°479	+0.256			243			1239		717
718	88°51	3	93 18 55.88	-14°467	+0.311	-0.009	426	240	5583	945	1240		718
719	85°94	3	98 5 47.50	-14°440	+0.304	+0.075	427	242	5591	953	1243		719
720	90°61	3	111 7 48.12	-14°436	+0.281				5612				720

679, 680, 701, 707, 710, 713, are respectively 820, 816, 832, 852, 853, 854 of the Radcliffe Catalogue, 1845.
 676, 679, 699, 707, 710, 719, are respectively 345, 346, 352, 356, 357, 361 of the Radcliffe Catalogue, 1860.
 683. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
721	Ceti	8-7	1	90°99	3	2	56	16.547	+3.0505	+0.0079		721
722	92 Ceti	α 2-3	2	87.17	37	2	56	31.718	+3.1320	+0.0098	-0.0029	722
723	Eridani	6-7	1	90.22	3	2	56	36.245	+2.9017	+0.0050		723
724	Eridani	6-7	2	87.71	4	2	56	42.717	+2.9594	+0.0060		724
725	23 Persei	γ 3*	...	88.47	3	2	56	49.860	+4.3129	+0.0593	-0.0015	725
726	Eridani	7	...	91.20	3	2	56	59.205	+2.7578	+0.0027		726
727	Eridani	9-8	1	91.70	3	2	57	2.119	+2.8561	+0.0042		727
728	9 Eridani	ρ^2 6-5	1	86.92	3	2	57	18.272	+2.9392	+0.0056	+0.0008	728
729	Ceti	8-7	...	91.56	3	2	57	27.076	+3.0314	+0.0075		729
730	11 Eridani	τ^3 4	2	83.47	4	2	57	32.418	+2.6551	+0.0017	-0.0124	730
731	Eridani	7-8	2	91.40	3	2	58	14.740	+2.8833	+0.0048	+0.0020	731
732	Eridani	7-8	2	86.96	3	2	58	38.150	+2.9791	+0.0065		732
733	Eridani	8	...	91.62	3	2	58	42.045	+2.9943	+0.0067		733
734	Eridani	8-7	1	91.89	3	2	58	48.647	+2.6965	+0.0021		734
735	10 Eridani	ρ^3 5-6	3	82.31	3	2	58	52.225	+2.9398	+0.0056	+0.0029	735
736	Eridani	7	2	86.56	3	2	59	48.455	+2.9279	+0.0055		736
737	Cassiopeiæ	5-4*	...	91.27	3	3	0	1.330	+6.3640	+0.2381	-0.0030	737
738	Eridani	7-8	1	88.00	3	3	0	11.578	+2.7373	+0.0026		738
739	Eridani	7-8	2	88.89	3	3	0	25.289	+2.7823	+0.0033		739
740	Eridani	6-5	1	83.98	3	3	1	6.988	+2.9640	+0.0062		740
741	Eridani	7-6	3	85.27	3	3	1	14.639	+2.8933	+0.0050		741
742	Ceti	7	3	87.82	3	3	1	38.621	+3.0355	+0.0076		742
743	27 Persei	κ 4-5*	...	87.43	4	3	2	4.659	+4.0079	+0.0410	+0.0151	743
744	Eridani	7	2	85.97	4	3	2	6.820	+2.8315	+0.0040	-0.0020	744
745	Fornacis	6	...	87.23	3	3	3	8.742	+2.5576	+0.0012		745
746	Eridani	7-8	3	89.19	3	3	3	53.044	+2.7342	+0.0028		746
747	Ceti	7-8	1	89.86	3	3	4	57.973	+3.0690	+0.0083		747
748	Arietis	6-7	...	86.62	3	3	5	19.450	+3.2892	+0.0135		748
749	57 Arietis	δ 4-5	5	85.97	26	3	5	20.340	+3.4113	+0.0170	+0.0095	749
750	Eridani	9-8	2	91.68	3	3	5	22.908	+2.6795	+0.0023		750
751	Eridani	7-8	3	89.42	4	3	5	34.077	+2.8749	+0.0049		751
752	Eridani	7-6	3	86.97	3	3	5	44.493	+2.6380	+0.0020		752
753	Eridani	6-7	3	85.98	3	3	5	48.314	+3.0009	+0.0069		753
754	Eridani	7	1	87.78	3	3	5	52.754	+2.8366	+0.0043		754
755	Eridani	9-8	...	91.03	3	3	5	53.838	+2.9140	+0.0054		755
756	Ceti	7-8	1	88.29	3	3	6	3.710	+3.0571	+0.0081		756
757	Eridani	7-6	3	84.92	3	3	6	10.160	+2.7861	+0.0036		757
758	Eridani	8	2	91.16	3	3	6	37.492	+2.7754	+0.0034		758
759	Arietis	8-7	1	90.27	3	3	6	53.778	+3.4507	+0.0181		759
760	94 Ceti	5-6	3	88.51	3	3	7	9.541	+3.0452	+0.0078	+0.0123	760
761	Eridani	7	1	82.62	3	3	7	18.274	+2.6976	+0.0025		761
762	Eridani	6-7	2	87.31	3	3	8	0.874	+2.7081	+0.0027		762
763	Eridani	7-8	1	89.49	3	3	8	25.441	+2.8274	+0.0042		763
764	58 Arietis	ζ 4-5*	...	84.64	3	3	8	34.757	+3.4416	+0.0177	-0.0032	764
765	Eridani	7-8	...	89.91	3	3	9	2.870	+3.0255	+0.0074		765

722. Yellowish-red star.

740. The N.P.D. of this star in Weisse's Bessel is 12' too small.

750. A star of the 9 magnitude follows 11^s, and is 3' south.

731. The N.P.D. of this star in Lalande is 10' too small.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
721	90°99	3	91 21 11.14	- 14.409	+ 0.316				5609	962			721
722	86°16	3	86 20 31.94	- 14.393	+ 0.324	+ 0.073	428	244	5613	963	1250	455	722
723	90°22	3	100 23 44.49	- 14.388	+ 0.301				5625	968			723
724	87°71	4	96 55 27.72	- 14.381	+ 0.307				5626	970			724
725	88°87	3	36 55 29.41	- 14.374	+ 0.445	+ 0.002	422	234	5565				725
726	91°20	3	108 38 26.48	- 14.365	+ 0.287				5647				726
727	91°70	3	103 3 38.25	- 14.362	+ 0.297					977			727
728	86°92	3	98 7 6.60	- 14.346	+ 0.306	- 0.005	432	247	5651	979	1257		728
729	91°56	3	92 31 8.84	- 14.336	+ 0.315				5654	981			729
730	82°96	5	114 3 21.35	- 14.331	+ 0.277	+ 0.037	434	249	5672		1258	458	730
731	91°40	3	101 24 11.75	- 14.287	+ 0.301	+ 0.160			5683	997			731
732	86°96	3	95 40 26.40	- 14.264	+ 0.312					1002			732
733	91°62	3	94 45 23.51	- 14.260	+ 0.313				5692	1003			733
734	91°89	3	111 47 28.16	- 14.253	+ 0.283				5706				734
735	82°31	3	98 1 51.88	- 14.250	+ 0.308	- 0.009	435	252	5699	1011	1262	461	735
736	86°56	3	98 42 11.62	- 14.192	+ 0.308				5722	1030			736
737	81°90	4	16 1 30.87	- 14.179	+ 0.662	+ 0.078	417	237				462	737
738	88°00	3	109 30 27.08	- 14.168	+ 0.289				5738				738
739	88°89	4	107 2 5.69	- 14.154	+ 0.294				5745				739
740	83°98	3	96 30 50.46	- 14.110	+ 0.313				5759	1054		466	740
741	85°23	4	100 40 37.89	- 14.102	+ 0.306				5770	1061			741
742	87°82	3	92 13 36.58	- 14.077	+ 0.321				5776	1062			742
743	88°61	4	45 33 36.25	- 14.050	+ 0.423	+ 0.160	438	256	5737		1280	468	743
744	85°97	4	104 10 40.50	- 14.048	+ 0.301	+ 0.260			5799	1077			744
745	87°23	3	118 15 9.96	- 13.983	+ 0.274			267	5854		1288		745
746	89°19	3	109 23 24.10	- 13.937	+ 0.293				5866				746
747	89°86	3	90 12 16.75	- 13.869	+ 0.329				5891	33			747
748	86°62	3	77 22 11.12	- 13.846	+ 0.353			4	5893	36		476	748
749	83°12	6	70 41 23.04	- 13.846	+ 0.366	- 0.005	446	2	5884		1295	475	749
750	91°68	3	112 6 46.21	- 13.843	+ 0.289								750
751	89°42	4	101 32 20.39	- 13.831	+ 0.310				5922	49			751
752	86°97	3	114 9 25.01	- 13.820	+ 0.285				5935		1298		752
753	85°98	3	94 13 39.20	- 13.816	+ 0.323				5925	50			753
754	87°78	3	103 40 53.14	- 13.811	+ 0.306				5931	57			754
755	91°03	3	99 17 18.58	- 13.810	+ 0.314					54			755
756	88°29	3	90 54 32.70	- 13.799	+ 0.329				5927	55			756
757	84°92	3	106 26 26.72	- 13.793	+ 0.301				5941				757
758	91°16	3	106 59 33.90	- 13.764	+ 0.300				5949				758
759	90°27	3	68 46 4.06	- 13.746	+ 0.372								759
760	88°51	3	91 36 26.98	- 13.729	+ 0.330	+ 0.073	450	8		82	1311	483	760
761	82°62	3	111 2 1.58	- 13.721	+ 0.293				5979				761
762	87°31	3	110 26 30.70	- 13.675	+ 0.295				5996				762
763	89°49	3	104 3 6.07	- 13.650	+ 0.308				6002	115			763
764	84°64	3	69 21 48.59	- 13.639	+ 0.374	+ 0.070	451	11	5983			488	764
765	89°91	3	92 44 36.00	- 13.609	+ 0.330				6010	121			765

722, 725, 728, 730, 737, 743, 749, 760, 764, are respectively 862, 858, 864, 867, 866, 884, 898, 906, 913 of the Radcliffe Catalogue, 1845.
 722, 728, 730, 737, 743, 749, 760, 764, are respectively 362, 364, 366, 367, 372, 375, 376, 378 of the Radcliffe Catalogue, 1860.
 731, 744. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
766	Eridani	7-8	2	89°34	3	3 9 16.567	+ 2.9499	+ 0.0061		766
767	Eridani	7	4	83°34	3	3 10 10.912	+ 2.9131	+ 0.0054	- 0.0005	767
768	Eridani	7	3	87°29	3	3 10 17.124	+ 2.7050	+ 0.0028		768
769	Cassiopeiæ	5	...	87°83	4	3 10 18.866	+ 5.2131	+ 0.1121	- 0.0040	769
770	Eridani	7-8	1	89°94	3	3 10 27.744	+ 2.7405	+ 0.0032		770
771	13 Eridani ζ	5	3	82°67	3	3 10 29.383	+ 2.9120	+ 0.0054	- 0.0021	771
772	Eridani	7-6	3	85°39	3	3 10 34.551	+ 2.9630	+ 0.0063		772
773	Eridani	8	2	89°29	3	3 10 44.103	+ 2.8039	+ 0.0039		773
774	Eridani	7-6	2	84°63	3	3 10 54.840	+ 2.9661	+ 0.0063		774
775	Eridani	7	3	86°23	3	3 10 58.070	+ 2.9913	+ 0.0068		775
776	Eridani	7	4	89°80	3	3 11 0.859	+ 2.8551	+ 0.0047		776
777	14 Eridani	6-7	1	86°93	3	3 11 15.846	+ 2.9056	+ 0.0055		777
778	Eridani	7	1	89°97	3	3 12 27.705	+ 2.6309	+ 0.0022		778
779	Eridani	7-8	1	90°19	3	3 12 41.219	+ 2.8817	+ 0.0051		779
780	95 Ceti	6*	...	89°63	3	3 12 44.659	+ 3.0493	+ 0.0079	+ 0.0156	780
781	Eridani	7-8	2	88°92	3	3 13 27.741	+ 3.0159	+ 0.0073		781
782	15 Eridani	5	1	88°27	3	3 13 30.293	+ 2.6501	+ 0.0025	- 0.0004	782
783	96 Ceti κ ¹	5-6	1	81°77	4	3 13 35.526	+ 3.1243	+ 0.0094	+ 0.0164	783
784	Eridani	7-6	3	85°35	3	3 13 39.695	+ 2.7290	+ 0.0032		784
785	Eridani	8-7	2	88°89	3	3 13 42.317	+ 2.7866	+ 0.0039		785
786	16 Eridani τ ⁴	4-3*	...	82°99	3	3 14 37.361	+ 2.6638	+ 0.0026	+ 0.0013	786
787	61 Arietis τ ¹	5*	...	88°85	9	3 14 52.565	+ 3.4531	+ 0.0175	+ 0.0008	787
788	33 Persei α	2*	...	82°50	4	3 16 28.198	+ 4.2546	+ 0.0483	+ 0.0015	788
789	Eridani	5-6	2	88°52	3	3 16 35.531	+ 2.6217	+ 0.0024		789
790	Eridani	7	1	89°29	3	3 16 45.497	+ 2.6897	+ 0.0028		790
791	Eridani	8-9	1	91°62	3	3 16 48.695	+ 2.9636	+ 0.0064		791
792	Eridani	7-8	1	90°63	3	3 16 51.906	+ 2.7850	+ 0.0039		792
793	Eridani	9-8	1	91°63	3	3 16 55.024	+ 2.8263	+ 0.0044		793
794	Eridani	9-8	2	91°40	3	3 17 2.575	+ 2.9017	+ 0.0055		794
795	Eridani	7-6	2	89°28	3	3 17 22.189	+ 2.6732	+ 0.0028		795
796	Ceti	8-9	...	91°72	3	3 17 37.739	+ 3.0391	+ 0.0077		796
797	Eridani	7-6	3	86°01	3	3 17 55.480	+ 2.9264	+ 0.0058	0.0000	797
798	Eridani	8-7	1	91°61	3	3 18 0.329	+ 2.8612	+ 0.0049		798
799	65 Arietis	6-7	1	88°25	3	3 18 5.413	+ 3.4509	+ 0.0171	- 0.0003	799
800	Eridani	7	3	87°81	3	3 18 15.260	+ 2.7452	+ 0.0035		800
801	Eridani	7-8	...	92°93	3	3 18 17.225	+ 2.7947	+ 0.0041		801
802	1 Tauri o	4-3	2	85°39	26	3 18 53.637	+ 3.2275	+ 0.0115	- 0.0052	802
803	Eridani	7-8	2	88°28	3	3 19 15.059	+ 2.8106	+ 0.0043		803
804	Eridani	7	3	89°97	3	3 19 17.103	+ 2.7788	+ 0.0039		804
805	Eridani	7-8	1	90°23	3	3 19 40.541	+ 2.9854	+ 0.0067		805
806	Eridani	7	3	90°25	3	3 19 51.805	+ 2.9822	+ 0.0068		806
807	Camelopardali	5-4*	...	87°55	4	3 20 9.879	+ 4.8161	+ 0.0772		807
808	Ceti	7-8	2	86°82	3	3 21 11.288	+ 3.0661	+ 0.0082		808
809	Eridani	9-8	1	91°89	3	3 21 16.413	+ 2.7127	+ 0.0033		809
810	Eridani	7-6	3	83°77	3	3 21 17.788	+ 2.7823	+ 0.0040		810

766. A star of nearly the same magnitude, Lalande 5998, precedes about 45^s, and is north.

784. Double: the companion is of the 9 magnitude, follows, and is south.

774. Reddish star.

808. Red star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
766	89°34	3	97 6 44.44	-13°594	+0.322				6018	124			766
767	83°34	3	99 10 39.97	-13°536	+0.319	+0.060	456	20	6048	144	1341		767
768	87°29	3	110 25 38.91	-13°529	+0.297				6067				768
769	83°79	6	24 45 3.44	-13°527	+0.567	+0.012	448	7	5954			494	769
770	89°94	3	108 34 54.45	-13°518	+0.301				6073				770
771	82°67	3	99 13 43.32	-13°516	+0.320	-0.042	457	22	6056	146	1345	497	771
772	85°31	4	96 19 32.58	-13°511	+0.325					147			772
773	89°29	3	105 12 10.28	-13°500	+0.308				6080				773
774	84°63	3	96 8 10.63	-13°488	+0.326					152			774
775	86°23	3	94 41 33.60	-13°485	+0.329				6077	153			775
776	89°80	3	102 23 32.11	-13°482	+0.314				6085	158			776
777	86°93	3	99 33 43.93	-13°466	+0.319			26	6091	164	1350	498	777
778	89°97	3	113 55 28.06	-13°388	+0.291				6126		1362		778
779	90°19	3	100 50 42.47	-13°373	+0.319				6123	190			779
780	89°63	3	91 19 52.65	-13°369	+0.337	+0.066	461	31	6117	186	1365	500	780
781	88°92	3	93 14 30.16	-13°322	+0.334				6138	203			781
782	88°27	3	112 54 48.45	-13°320	+0.295	-0.008	466	39	6146		1371	503	782
783	81°77	4	87 2 0.55	-13°315	+0.346	-0.110	463	36	6136		1372		783
784	85°35	3	108 57 33.20	-13°309	+0.303				6160			505	784
785	88°89	3	105 57 9.22	-13°307	+0.310								785
786	82°99	3	112 9 30.54	-13°247	+0.297	-0.037	469	43	6189		1377	506	786
787	89°18	5	69 14 59.15	-13°230	+0.384	+0.030	465	40			1378	508	787
788	81°70	4	40 31 51.56	-13°125	+0.474	+0.033	464	41			1392	513	788
789	88°52	3	114 1 48.04	-13°117	+0.295				6248		1395	515	789
790	89°29	3	110 43 10.04	-13°105	+0.303				6252				790
791	91°62	3	96 8 25.86	-13°102	+0.333								791
792	90°63	3	105 51 13.29	-13°099	+0.313				6251				792
793	91°63	3	103 40 4.24	-13°095	+0.318				6250	265			793
794	91°40	3	99 34 22.98	-13°086	+0.326					266			794
795	89°28	3	111 29 35.98	-13°066	+0.301				6271				795
796	91°72	3	91 53 4.50	-13°048	+0.342					271			796
797	85°77	4	98 10 46.99	-13°029	+0.330	+0.200			6275	278			797
798	91°61	3	101 44 22.98	-13°023	+0.323					280			798
799	88°25	3	69 35 14.15	-13°018	+0.388	-0.001	474	50	6257			520	799
800	87°81	3	107 49 57.65	-13°007	+0.310				6292				800
801	92°93	3	105 16 14.90	-13°004	+0.316				6291				801
802	83°02	4	81 21 31.02	-12°963	+0.365	+0.068	477	55	6287	294	1407	523	802
803	88°28	3	104 22 59.41	-12°940	+0.319				6312	308			803
804	89°97	3	106 2 25.82	-12°938	+0.315								804
805	90°23	3	94 52 8.02	-12°911	+0.339				6324	312			805
806	90°25	3	95 2 38.38	-12°899	+0.339				6330	318			806
807	83°90	8	30 26 37.29	-12°879	+0.544			51	6264				807
808	86°82	3	90 21 33.22	-12°810	+0.350				6372	339			808
809	91°89	3	109 16 35.26	-12°805	+0.310				6388				809
810	83°77	3	105 44 56.21	-12°803	+0.318				6386				810

769, 771, 777, 787, 788, 802, 807, are respectively 914, 921, 923, 936, 937, 955, 956 of the Radcliffe Catalogue, 1845.

769, 771, 777, 780, 783, 787, 788, 802, are respectively 379, 380, 381, 382, 385, 387, 389, 393 of the Radcliffe Catalogue, 1860.

797. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.				Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
									h. m. s.	s.	s.	s.	
811	Eridani	...	...	...	6-7	...	89°27	4	3 21 43.793	+ 2.5313	+ 0.0020		811
812	Eridani	...	...	...	8	...	91°06	3	3 21 49.125	+ 3.0093	+ 0.0072		812
813	Eridani	...	...	...	7	1	84°69	3	3 22 33.108	+ 2.8004	+ 0.0043		813
814	Eridani	...	...	...	6	3	83°07	3	3 22 46.185	+ 2.8589	+ 0.0049		814
815	35 Persei	...	...	σ	5*	...	85°78	5	3 22 49.245	+ 4.2061	+ 0.0438	0.0000	815
816	Eridani	...	...	...	6	1	85°24	4	3 24 15.848	+ 2.9415	+ 0.0061		816
817	Persei	...	...	...	6-7	...	88°15	3	3 24 22.236	+ 4.2136	+ 0.0436	- 0.0009	817
818	Eridani	...	...	...	6	2	85°62	3	3 24 24.190	+ 2.8313	+ 0.0047		818
819	Eridani	...	...	...	8-7	...	91°32	3	3 24 24.596	+ 2.6574	+ 0.0030		819
820	Eridani	...	...	...	7	2	87°87	3	3 24 28.749	+ 2.6951	+ 0.0032		820
821	Eridani	...	...	...	7	1	88°62	3	3 24 46.788	+ 2.6118	+ 0.0027		821
822	5 Tauri	...	...	f	4*	...	88°69	14	3 24 47.979	+ 3.3046	+ 0.0130	- 0.0002	822
823	Eridani	...	...	...	7	1	86°57	3	3 24 58.716	+ 2.8505	+ 0.0049		823
824	Eridani	...	...	...	7	1	89°65	3	3 24 59.233	+ 2.6324	+ 0.0028		824
825	17 Eridani	...	...	...	5	2	86°95	4	3 25 9.497	+ 2.9729	+ 0.0066	- 0.0006	825
826	Eridani	...	...	...	7	3	89°23	3	3 25 22.441	+ 2.8864	+ 0.0054		826
827	Ceti	...	...	...	7	2	87°24	3	3 25 27.276	+ 3.0569	+ 0.0079		827
828	Eridani	...	...	...	7-8	2	88°78	3	3 26 22.149	+ 2.7491	+ 0.0038		828
829	Eridani	...	...	...	7-8	...	91°32	3	3 26 41.027	+ 2.9211	+ 0.0059		829
830	Eridani	...	...	...	7-8	1	90°99	3	3 27 38.283	+ 3.0315	+ 0.0075		830
831	18 Eridani	...	...	ε	4-3	2	88°12	39	3 27 44.819	+ 2.8901	+ 0.0055	- 0.0675	831
832	Tauri	...	...	...	6-7	...	88°60	3	3 27 52.339	+ 3.4040	+ 0.0152	+ 0.0060	832
833	Eridani	...	...	...	8-9	2	90°96	3	3 28 7.567	+ 2.7719	+ 0.0041		833
834	Eridani	...	...	...	7-8	3	86°99	3	3 28 39.593	+ 2.7798	+ 0.0042		834
835	37 Persei	...	...	ψ	5*	...	88°15	3	3 28 40.449	+ 4.2380	+ 0.0433	+ 0.0023	835
836	19 Eridani	...	...	τ ⁵	4*	...	82°64	3	3 28 55.617	+ 2.6455	+ 0.0030	+ 0.0014	836
837	Eridani	...	...	...	6-7	2	86°19	3	3 29 20.066	+ 2.8814	+ 0.0054		837
838	Eridani	...	...	...	7	...	88°91	3	3 29 22.985	+ 3.0026	+ 0.0070		838
839	Eridani	...	...	...	7-8	1	88°90	3	3 30 19.183	+ 2.5847	+ 0.0027		839
840	Eridani	...	...	...	7-6	2	85°06	3	3 30 30.092	+ 2.9704	+ 0.0065		840
841	Eridani	...	...	...	6-7	1	86°05	3	3 30 43.064	+ 2.8550	+ 0.0051		841
842	Tauri	...	...	...	7-6	2	87°85	3	3 31 8.671	+ 3.0767	+ 0.0083	- 0.0014	842
843	10 Tauri	...	...	...	5	1	85°57	4	3 31 15.499	+ 3.0735	+ 0.0082	- 0.0159	843
844	20 Eridani	...	...	...	5*	...	86°34	3	3 31 16.663	+ 2.7299	+ 0.0037	- 0.0001	844
845	Eridani	...	...	...	8-7	1	90°24	3	3 31 28.761	+ 2.6900	+ 0.0034		845
846	Eridani	...	...	...	8-7	...	90°96	3	3 31 39.691	+ 2.7975	+ 0.0045		846
847	Eridani	...	...	...	7	3	83°10	3	3 32 40.635	+ 2.7688	+ 0.0041		847
848	Eridani	...	...	...	6-7	3	86°95	3	3 33 6.980	+ 2.9267	+ 0.0059		848
849	Tauri	...	...	...	6	...	87°55	4	3 33 12.416	+ 3.3835	+ 0.0143		849
850	Eridani	...	...	...	7-8	3	87°87	3	3 33 19.740	+ 3.0372	+ 0.0075		850
851	21 Eridani	...	...	...	6-7	2	86°04	3	3 33 35.207	+ 2.9601	+ 0.0064	- 0.0035	851
852	Eridani	...	...	...	6-7	3	83°04	3	3 34 7.807	+ 3.0021	+ 0.0070		852
853	Eridani	...	...	...	6-7	2	88°94	3	3 34 9.719	+ 2.8675	+ 0.0052		853
854	11 Tauri	...	...	...	6	...	88°95	4	3 34 12.086	+ 3.5733	+ 0.0189	- 0.0002	854
855	Eridani	...	...	...	7	2	90°55	3	3 34 23.333	+ 2.9378	+ 0.0061		855

833. The magnitude given in the Argentine General Catalogue for this star is 7.

842. Double: the companion is of the 9 magnitude, precedes, and is south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
811	91°37	3	117 42 15.96	-12°773	+0.290						1429		811
812	91°06	3	93 30 21.72	-12°768	+0.344					351			812
813	84°69	3	104 44 57.92	-12°718	+0.321				6415	367			813
814	83°07	3	101 40 2.59	-12°703	+0.328				6420	370		533	814
815	87°31	5	42 23 6.22	-12°700	+0.480	-0.019	479	64					815
816	86°01	3	97 10 50.99	-12°602	+0.339				6462	396		535	816
817	89°58	3	42 21 7.93	-12°595	+0.484	+0.010	483	68					817
818	85°62	3	103 3 14.39	-12°592	+0.327				6476	397		536	818
819	91°32	3	111 45 1.85	-12°592	+0.307				6485				819
820	87°87	3	109 56 6.04	-12°587	+0.311				6486				820
821	88°62	3	113 51 21.06	-12°566	+0.302				6499		1451		821
822	86°41	3	77 26 26.14	-12°565	+0.381	-0.011	486	77	6461		1450	539	822
823	86°57	3	102 1 17.49	-12°553	+0.330				6492			541	823
824	89°65	3	112 53 3.25	-12°553	+0.305				6503		1452		824
825	86°95	4	95 27 10.40	-12°540	+0.344	-0.002	487	80	6493	413	1453	543	825
826	89°23	3	100 6 29.15	-12°527	+0.334				6504	418			826
827	87°24	3	90 51 24.84	-12°521	+0.354				6500	416			827
828	88°78	3	107 9 17.29	-12°458	+0.320				6539				828
829	91°32	3	98 12 50.87	-12°437	+0.340				6544	442			829
830	90°99	3	92 13 56.42	-12°371	+0.353				6570	466			830
831	82°34	4	99 49 50.80	-12°363	+0.337	-0.011	493	89	6581	470	1467	547	831
832	88°60	3	72 31 42.06	-12°355	+0.396	+0.300		87	6565			548	832
833	90°96	3	105 55 12.42	-12°337	+0.324								833
834	86°99	3	105 29 39.94	-12°300	+0.326				6611				834
835	88°92	4	42 10 26.45	-12°299	+0.494	+0.038	488	84	6545			551	835
836	82°64	3	112 0 6.54	-12°281	+0.310	+0.040	495	95	6631		1471	552	836
837	86°19	3	100 14 13.26	-12°254	+0.338				6634	506			837
838	88°63	4	93 46 46.37	-12°250	+0.352				6626	502			838
839	88°90	3	114 40 31.79	-12°185	+0.305				6662				839
840	85°06	3	95 29 27.38	-12°173	+0.349				6657	528			840
841	86°05	3	101 33 43.67	-12°158	+0.336				6661	536		554	841
842	87°85	3	89 46 17.52	-12°127	+0.363	+0.160	496	98	6663	541			842
843	85°57	4	89 56 51.95	-12°119	+0.362	+0.501	497	100	6665	542	1489		843
844	86°34	3	107 49 53.28	-12°119	+0.322	+0.001	498	101	6675		1490	555	844
845	90°24	3	109 44 29.49	-12°104	+0.318				6687				845
846	90°96	3	104 27 32.54	-12°091	+0.331					554			846
847	83°09	4	105 50 44.07	-12°020	+0.328				6720				847
848	86°95	3	97 45 0.87	-11°990	+0.347				6726	585		558	848
849	87°55	4	73 49 17.21	-11°984	+0.401			103	6705			559	849
850	87°87	3	91 53 4.60	-11°975	+0.360				6730	589			850
851	86°04	3	95 58 44.94	-11°957	+0.352	+0.202	502	109	6742	595	1511		851
852	83°04	3	93 44 54.67	-11°919	+0.357					604			852
853	88°94	3	100 47 31.70	-11°916	+0.341				6761	609			853
854	88°62	3	65 1 36.37	-11°914	+0.424	+0.011	500	107	6732		1515	562	854
855	90°55	3	97 8 7.64	-11°901	+0.350				6768	612			855

815, 817, 822, 831, 835, 836, 851, are respectively 981, 991, 999, 1012, 1011, 1016, 1036 of the Radcliffe Catalogue, 1845.
811, 822, 831, 832, 836, 842, 843, 851, 854, are respectively 397, 399, 403, 402, 404, 407, 408, 411, 412 of the Radcliffe Catalogue, 1860.
832. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
856	Eridani	6-7	3	85.62	3	3	34	24.067	+ 3.0447	+ 0.0076		856
857	Eridani	8-9	1	91.78	4	3	34	26.790	+ 2.6228	+ 0.0031		857
858	Eridani	7-6	1	90.67	3	3	34	36.398	+ 2.7284	+ 0.0038		858
859	Eridani	7	1	90.95	3	3	34	37.939	+ 2.8573	+ 0.0052		859
860	Eridani	7-8	1	87.28	3	3	34	51.644	+ 2.8942	+ 0.0056		860
861	39 Persei δ	3*	...	86.66	4	3	35	5.534	+ 4.2467	+ 0.0415	+ 0.0012	861
862	Eridani	7-6	2	89.24	3	3	35	6.207	+ 2.7717	+ 0.0043		862
863	22 Eridani	6	1	84.71	3	3	35	11.531	+ 2.9674	+ 0.0065	- 0.0027	863
864	Eridani	7-8	...	90.93	3	3	35	11.841	+ 3.0220	+ 0.0073	+ 0.0250	864
865	Eridani	7	2	91.36	3	3	35	17.346	+ 2.6808	+ 0.0034		865
866	Eridani	7-8	2	91.70	3	3	35	39.919	+ 2.8236	+ 0.0048		866
867	13 Tauri	6-5*	...	89.26	3	3	35	58.228	+ 3.4522	+ 0.0155	- 0.0013	867
868	Eridani	7-6	2	86.28	3	3	36	0.562	+ 2.8395	+ 0.0050		868
869	Camelopardali	6-5*	...	92.04	3	3	36	25.173	+ 5.1976	+ 0.0890		869
870	Eridani	7-6	4	87.32	3	3	36	27.513	+ 2.6796	+ 0.0035		870
871	Eridani	7	1	90.73	3	3	36	47.422	+ 2.7877	+ 0.0044		871
872	Eridani	8-7	1	91.35	3	3	37	15.526	+ 2.9783	+ 0.0066		872
873	23 Eridani δ	3-4	2	89.31	14	3	37	58.654	+ 2.8779	+ 0.0054	- 0.0081	873
874	Eridani	6	1	89.15	3	3	38	18.524	+ 2.8640	+ 0.0053		874
875	Camelopardali γ	4-5*	...	82.63	10	3	38	45.193	+ 6.2393	+ 0.1601	- 0.0016	875
876	24 Eridani	6-5	1	85.09	3	3	38	55.256	+ 3.0437	+ 0.0075	- 0.0031	876
877	Eridani	7-8	3	87.02	3	3	38	57.010	+ 2.6867	+ 0.0036	+ 0.0150	877
878	25 Eridani	6	3	83.08	3	3	39	18.997	+ 3.0602	+ 0.0078	+ 0.0020	878
879	Camelopardali	5*	...	90.90	3	3	39	27.166	+ 5.4370	+ 0.1015		879
880	Eridani	8-7	...	91.90	3	3	39	30.583	+ 2.6428	+ 0.0034		880
881	Eridani	7-8	1	89.55	3	3	40	27.038	+ 2.7639	+ 0.0043		881
882	Eridani	8	2	91.72	3	3	40	38.761	+ 2.8918	+ 0.0057		882
883	26 Eridani π	4-5	3	85.69	3	3	40	56.435	+ 2.8301	+ 0.0049	+ 0.0002	883
884	Eridani	7	3	86.82	3	3	40	56.721	+ 2.8744	+ 0.0054		884
885	25 Tauri η	3*	...	86.84	17	3	40	56.747	+ 3.5560	+ 0.0177	- 0.0004	885
886	Eridani	7-8	2	87.78	3	3	41	49.907	+ 2.7811	+ 0.0044		886
887	27 Eridani τ^6	4-5	1	86.36	3	3	42	6.854	+ 2.5916	+ 0.0031	- 0.0127	887
888	Eridani	8-7	3	88.91	3	3	42	26.764	+ 2.9299	+ 0.0060		888
889	Eridani	7	3	87.08	3	3	42	27.446	+ 3.0108	+ 0.0071		889
890	Eridani	8-7	...	91.34	3	3	42	31.456	+ 2.7169	+ 0.0039		890
891	28 Eridani τ^7	6	1	87.90	3	3	42	55.632	+ 2.5756	+ 0.0031	+ 0.0014	891
892	Eridani	6-7	2	83.72	3	3	43	0.312	+ 3.0704	+ 0.0079		892
893	Eridani	7-8	3	88.90	3	3	43	24.864	+ 2.9298	+ 0.0059		893
894	Eridani	7	2	84.08	3	3	43	43.833	+ 3.0379	+ 0.0074	0.0000	894
895	Eridani	6	1	82.96	3	3	43	44.975	+ 2.6420	+ 0.0034		895
896	Eridani	8-7	2	89.30	3	3	44	6.285	+ 3.0209	+ 0.0071		896
897	Eridani	7	4	84.06	3	3	44	40.908	+ 3.0364	+ 0.0074		897
898	Eridani	7-8	1	86.96	3	3	44	48.956	+ 2.9905	+ 0.0067		898
899	Eridani	7-8	1	87.98	3	3	45	18.125	+ 2.6877	+ 0.0037		899
900	Eridani	7-6	1	84.37	3	3	46	33.466	+ 3.0437	+ 0.0075	- 0.0120	900

866. A star of the 9 magnitude precedes 2^s, and is south.871. A star of equal magnitude precedes about 20^s, and is 4' north.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
856	85.62	3	91 28 42.15	- 11.900	+ 0.363				6760	611			856
857	91.78	4	112 40 47.25	- 11.896	+ 0.313				6784				857
858	90.67	3	107 43 19.34	- 11.886	+ 0.326				6781				858
859	90.95	3	101 18 12.12	- 11.883	+ 0.341				6777	619			859
860	87.28	3	99 23 45.95	- 11.867	+ 0.345				6783	623			860
861	89.14	5	42 33 53.13	- 11.851	+ 0.505	+ 0.037	499	106	6728			563	861
862	89.24	3	105 34 58.02	- 11.851	+ 0.331				6801				862
863	84.71	3	95 33 59.14	- 11.843	+ 0.354	- 0.009	505	116	6792	630	1524		863
864	90.93	3	92 40 54.28	- 11.843	+ 0.361	+ 0.200			6788	627			864
865	91.36	3	109 56 59.69	- 11.838	+ 0.321				6809				865
866	91.70	3	102 58 20.25	- 11.811	+ 0.338					642			866
867	89.26	3	70 39 9.04	- 11.789	+ 0.412	+ 0.007	504	118	6795			565	867
868	86.28	3	102 9 28.99	- 11.786	+ 0.340				6832	649			868
869	88.03	4	27 0 11.48	- 11.757	+ 0.619			105	6723			566	869
870	87.32	3	109 56 17.31	- 11.755	+ 0.322				6861				870
871	90.73	3	104 42 56.97	- 11.731	+ 0.335				6868	667			871
872	91.35	3	94 57 25.73	- 11.697	+ 0.358				6870	673			872
873	89.43	4	100 8 10.01	- 11.646	+ 0.347	- 0.743	515	134	6899	687	1548	574	873
874	89.15	3	100 50 3.56	- 11.622	+ 0.345			138	6912	698	1552		874
875	82.27	12	19 0 27.84	- 11.591	+ 0.748	+ 0.051		111	6746			575	875
876	85.09	3	91 30 37.37	- 11.580	+ 0.367	- 0.003	517	143		706	1558		876
877	87.02	3	109 27 49.96	- 11.577	+ 0.325	- 0.160			6938				877
878	83.08	3	90 38 34.97	- 11.551	+ 0.370	- 0.012	518	145	6934	714	1561	580	878
879	87.89	3	24 48 54.20	- 11.541	+ 0.653			121	6817			578	879
880	91.90	3	111 27 12.14	- 11.538	+ 0.320								880
881	89.55	3	105 43 3.12	- 11.470	+ 0.336				6985				881
882	91.79	4	99 21 9.52	- 11.455	+ 0.351					746			882
883	85.69	3	102 26 48.87	- 11.435	+ 0.344	- 0.071	526	154	6998	753	1574	585	883
884	86.82	3	100 13 35.12	- 11.434	+ 0.349				6994				884
885	81.83	6	66 14 7.28	- 11.434	+ 0.431	+ 0.040	521	152	6965		1571	584	885
886	87.78	3	104 49 12.07	- 11.370	+ 0.339				7024	768			886
887	86.36	3	113 34 30.59	- 11.350	+ 0.317	+ 0.530	530	168	7049		1591	588	887
888	88.91	3	97 21 56.10	- 11.326	+ 0.358				7040	782			888
889	87.08	3	93 12 4.55	- 11.326	+ 0.367				7037				889
890	91.34	3	107 51 48.13	- 11.321	+ 0.332				7052				890
891	87.90	3	114 12 57.14	- 11.291	+ 0.315	- 0.049	532	173	7078		1598	593	891
892	83.72	3	90 6 36.17	- 11.286	+ 0.375				7051	790			892
893	88.90	3	97 21 6.26	- 11.256	+ 0.358				7077	805			893
894	84.08	3	91 47 20.17	- 11.233	+ 0.372	+ 0.045	531			810	1603	597	894
895	82.96	3	111 14 24.83	- 11.232	+ 0.324				7098				895
896	89.30	3	92 39 49.63	- 11.206	+ 0.370				7091	817			896
897	84.06	3	91 51 29.03	- 11.164	+ 0.373				7109	830			897
898	86.96	3	94 13 21.93	- 11.154	+ 0.367				7120	833			898
899	87.98	3	109 4 47.62	- 11.119	+ 0.331				7140				899
900	84.37	3	91 28 44.25	- 11.027	+ 0.375	+ 0.024	536		7157	861	1633		900

861, 863, 869, 875, 879, 883, 885, 887, are respectively 1038, 1040, 1039, 1044, 1053, 1074, 1070, 1081 of the Radcliffe Catalogue, 1845.

861, 863, 873, 875, 883, 885, 887, 900, are respectively 414, 415, 419, 416, 427, 426, 429, 436 of the Radcliffe Catalogue, 1860.

864, 877. The Proper Motions have been determined in the formation of the present Catalogue.

875. The Proper Motions have been taken from Auwers' "Catalog der Fundamental-Sterne."

No.	Constellation.				Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
									h.	m.	s.	s.	s.	s.	
901	Eridani	...	...	...	7-8	1	90°27	3	3	46	33.511	+ 2.7205	+ 0.0040		901
902	Eridani	...	...	...	7	2	86°55	3	3	46	40.507	+ 3.0533	+ 0.0076		902
903	Eridani	...	...	...	7	2	89°78	3	3	46	41.594	+ 2.6300	+ 0.0034		903
904	Eridani	...	...	...	7-8	1	91°70	3	3	46	43.666	+ 2.8289	+ 0.0049		904
905	Tauri	...	...	...	6-7	...	87°46	4	3	46	52.633	+ 3.4142	+ 0.0138		905
906	29 Eridani	...	...	...	7	2	86°36	3	3	47	4.031	+ 2.9671	+ 0.0064	- 0.0030	906
907	30 Eridani	...	...	...	6	3	85°38	3	3	47	15.558	+ 2.9610	+ 0.0063	- 0.0022	907
908	Eridani	...	...	...	7-8	...	89°71	3	3	47	31.455	+ 2.9805	+ 0.0066		908
909	Eridani	...	...	...	7-8	2	91°66	3	3	47	31.944	+ 2.7499	+ 0.0042		909
910	Camelopardali	...	...	...	6-5*	...	87°51	4	3	47	43.246	+ 5.2475	+ 0.0833		910
911	Eridani	...	...	...	7-6	2	89°62	3	3	47	45.108	+ 2.9357	+ 0.0060		911
912	Eridani	...	...	...	7	3	87°32	3	3	48	3.081	+ 2.6056	+ 0.0034		912
913	Eridani	...	...	...	7-6	1	87°24	3	3	48	16.549	+ 2.6914	+ 0.0038		913
914	Eridani	...	...	...	7-6	...	91°64	3	3	48	26.022	+ 2.7654	+ 0.0044		914
915	Eridani	...	...	...	7	2	91°76	3	3	48	45.838	+ 3.0081	+ 0.0069	+ 0.0019	915
916	32 Eridani	...	...	...	5-6	2	85°95	3	3	48	46.056	+ 3.0081	+ 0.0069	+ 0.0019	916
917	33 Eridani	...	...	τ ⁸	4*	...	91°67	3	3	49	1.709	+ 2.5496	+ 0.0031	+ 0.0012	917
918	Eridani	...	...	...	7	1	91°39	3	3	49	12.155	+ 2.5844	+ 0.0032	+ 0.0200	918
919	Eridani	...	...	...	7-8	1	90°92	3	3	49	18.166	+ 2.8772	+ 0.0055		919
920	Eridani	...	...	...	7-8	3	89°25	3	3	49	54.003	+ 2.7656	+ 0.0044		920
921	Eridani	...	...	...	7-6	2	83°07	3	3	50	5.702	+ 2.8241	+ 0.0050		921
922	32 Tauri	...	...	...	6*	...	92°29	3	3	50	22.050	+ 3.5322	+ 0.0161		922
923	45 Persei	...	...	ε	3-4*	...	92°03	3	3	50	28.343	+ 4.0097	+ 0.0287	+ 0.0004	923
924	Eridani	...	...	...	8-7	...	92°04	3	3	50	44.880	+ 2.9144	+ 0.0058		924
925	Eridani	...	...	...	8-9	1	92°05	3	3	50	50.578	+ 2.6177	+ 0.0034		925
926	Eridani	...	...	...	7-8	2	90°96	3	3	50	52.742	+ 2.6666	+ 0.0037		926
927	Cassiopeiae	...	...	...	8	2	89°31	3	3	50	54.795	+ 9.0606	+ 0.4191		927
928	Eridani	...	...	...	8	2	91°76	3	3	51	8.792	+ 3.0351	+ 0.0073		928
929	Eridani	...	...	...	7	3	89°72	3	3	51	17.383	+ 2.8490	+ 0.0052		929
930	Eridani	...	...	...	7-6	1	87°04	3	3	51	20.095	+ 2.7921	+ 0.0046	- 0.0008	930
931	Eridani	...	...	...	7-6	3	86°28	3	3	51	21.360	+ 2.8715	+ 0.0054		931
932	Cassiopeiae	...	...	...	6	1	82°55	7	3	51	39.019	+ 9.7659	+ 0.5072		932
933	46 Persei	...	...	ξ	4*	...	92°34	3	3	51	49.495	+ 3.8800	+ 0.0246	- 0.0006	933
934	34 Eridani	...	...	γ ¹	3	5	86°26	43	3	52	53.718	+ 2.7929	+ 0.0047	+ 0.0029	934
935	Eridani	...	...	...	7-8	2	89°93	3	3	53	6.168	+ 3.0136	+ 0.0069		935
936	Eridani	...	...	...	6	3	85°03	3	3	53	27.067	+ 2.9573	+ 0.0063	- 0.0030	936
937	Eridani	...	...	...	6-5	1	87°63	3	3	54	20.585	+ 2.8115	+ 0.0048		937
938	Eridani	...	...	...	7-8	...	90°31	3	3	54	34.391	+ 2.6424	+ 0.0037		938
939	35 Tauri	...	...	λ	Var.	...	86°39	3	3	54	35.178	+ 3.3189	+ 0.0114	- 0.0014	939
940	Eridani	...	...	...	8-7	1	91°97	3	3	54	49.517	+ 2.6963	+ 0.0039		940
941	Eridani	...	...	...	8	2	91°75	3	3	54	49.946	+ 2.7209	+ 0.0041		941
942	Tauri	...	...	...	9-8	...	92°35	3	3	55	5.769	+ 3.5407	+ 0.0157		942
943	Eridani	...	...	...	7-8	2	87°06	3	3	55	6.513	+ 2.6664	+ 0.0038		943
944	36 Eridani	...	...	τ ⁹	5	1	86°66	3	3	55	14.016	+ 2.5555	+ 0.0032	- 0.0001	944
945	Tauri	...	...	...	8	...	92°22	3	3	55	45.680	+ 3.5379	+ 0.0156		945

915. Blue star.

930. Red star.

939. A variable of the Algol type: the limits of magnitude are 3.4 and 4.2: the period is 3^d 23^h.

916. Reddish-yellow star.

934. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
901	90°27	3	107 29 45.21	-11°027	+0.336				7173				901
902	86°55	3	90 59 9.06	-11°019	+0.377				7159	866			902
903	89°78	3	111 36 36.35	-11°017	+0.325								903
904	91°70	3	102 17 58.08	-11°014	+0.349				7175	871			904
905	87°46	4	73 0 2.97	-11°003	+0.421			187	7153			602	905
906	86°36	3	95 23 4.92	-10°990	+0.367	-0.030	537	190	7177	875	1640		906
907	85°38	3	95 41 24.41	-10°975	+0.366	+0.007	538	191	7183	880	1641		907
908	89°71	3	94 41 51.33	-10°957	+0.369				7191				908
909	91°66	3	106 4 14.42	-10°956	+0.341				7202				909
910	87°92	4	27 15 3.86	-10°942	+0.646			177	7103			604	910
911	89°62	3	96 57 41.59	-10°940	+0.364				7201	892			911
912	87°32	3	112 36 20.54	-10°918	+0.323				7217		1644		912
913	87°24	3	108 45 43.10	-10°902	+0.334				7222				913
914	91°64	3	105 17 50.85	-10°890	+0.343				7226				914
915	90°36	3	93 16 42.34	-10°866	+0.373	+0.003				909		606	915
916	85°95	3	93 16 49.47	-10°866	+0.373	+0.003	540	195	7224	908	1648	607	916
917	91°67	3	114 56 17.72	-10°846	+0.317	+0.006	543	198	7241		1649		917
918	91°39	3	113 27 12.43	-10°834	+0.322	+0.310			7260		1651		918
919	90°92	3	99 50 41.30	-10°826	+0.358				7245	924			919
920	89°25	3	105 13 44.72	-10°782	+0.345				7272				920
921	83°07	3	102 25 15.05	-10°767	+0.352				7273	935			921
922	92°29	3	67 50 22.33	-10°747	+0.440			197	7248				922
923	87°67	3	50 18 30.44	-10°740	+0.499	+0.016	539	196	7231			610	923
924	92°04	3	97 57 46.89	-10°719	+0.364				7289	945			924
925	92°05	3	111 55 6.81	-10°712	+0.327				7298				925
926	90°96	3	109 45 21.11	-10°709	+0.333				7306				926
927	89°31	3	10 41 20.66	-10°708	+1.122								927
928	91°76	3	91 53 30.41	-10°690	+0.379				7297	951			928
929	89°72	3	101 10 26.42	-10°679	+0.356				7316	963			929
930	87°04	3	103 55 5.04	-10°676	+0.349	-0.015	544	205	7324	967	1672		930
931	86°28	3	100 4 15.80	-10°675	+0.359					965			931
932	82°56	7	9 36 20.52	-10°652	+1.211			160	7012			611	932
933	89°66	3	54 31 33.00	-10°639	+0.484	+0.013	542	201	7279			613	933
934	82°73	14	103 49 19.04	-10°560	+0.351	+0.106	546	210	7376	1009	1683	616	934
935	89°93	3	92 58 1.02	-10°545	+0.378				7372	1008			935
936	85°03	3	95 46 46.04	-10°519	+0.372	+0.150			7384	1018		617	936
937	87°63	3	102 53 12.40	-10°453	+0.354				7422	1039			937
938	90°31	3	110 38 42.67	-10°435	+0.334				7437				938
939	87°69	3	77 49 15.18	-10°434	+0.418	+0.009	548	218	7406	1029		620	939
940	91°97	3	108 13 31.42	-10°415	+0.341				7442				940
941	91°75	3	107 6 15.40	-10°415	+0.344								941
942	92°35	3	67 43 44.03	-10°396	+0.446								942
943	87°06	3	109 33 29.25	-10°396	+0.337				7450				943
944	86°66	3	114 19 43.59	-10°386	+0.323	-0.020	551	221	7456		1693	622	944
945	92°43	4	67 53 4.65	-10°345	+0.447			219	7434				945

907, 910, 916, 917, 923, 930, 932, 934, 939, 944, are respectively 1099, 1089, 1103, 1105, 1106, 1113, 1096, 1118, 1122, 1127 of the Radcliffe Catalogue, 1845.

907, 915, 916, 917, 930, 934, 939, 944, are respectively 437, 439, 440, 441, 443, 444, 445, 447 of the Radcliffe Catalogue, 1860

927 is 610 of Fedorenko's Lalande. 918, 936. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.			Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
								h. m. s.	s.	s.	s.	
946	Eridani	...	...	8-9	2	92°03	4	3 55 49.440	+ 2.8728	+ 0.0054		946
947	35 Eridani	...	...	6	2	84.40	3	3 55 57.691	+ 3.0353	+ 0.0071	- 0.0009	947
948	Eridani	...	...	7-8	2	89.94	3	3 56 26.304	+ 2.5953	+ 0.0034		948
949	Eridani	...	...	7-8	3	87.58	3	3 56 54.517	+ 2.6843	+ 0.0039		949
950	Eridani	...	...	6-5	1	85.93	4	3 56 58.530	+ 3.0611	+ 0.0074	+ 0.0095	950
951	Eridani	...	...	7-8	2	89.67	3	3 57 6.468	+ 2.6238	+ 0.0036		951
952	Eridani	...	...	8	2	92.01	4	3 57 58.239	+ 2.9266	+ 0.0059		952
953	Eridani	...	...	7-8	2	89.33	3	3 58 2.333	+ 2.5860	+ 0.0034		953
954	37 Tauri ...	...	...	A ¹	1	85.07	20	3 58 11.507	+ 3.5330	+ 0.0153	+ 0.0053	954
955	47 Persei	...	...	λ	4-5*	...	3	3 58 23.447	+ 4.4491	+ 0.0412	- 0.0024	955
956	Eridani	...	...	7-6	2	85.04	5	3 58 33.724	+ 2.6424	+ 0.0038		956
957	Eridani	...	...	7-8	1	90.27	3	3 58 34.645	+ 2.9735	+ 0.0063		957
958	Eridani	...	...	7	2	86.39	3	3 58 45.772	+ 2.6419	+ 0.0038		958
959	Eridani	...	...	8-7	1	90.98	3	3 58 49.104	+ 2.5400	+ 0.0033		959
960	Eridani	...	...	7-6	2	91.59	3	3 59 8.285	+ 2.7218	+ 0.0042		960
961	Eridani	...	...	6	2	84.69	3	3 59 13.877	+ 2.8037	+ 0.0048		961
962	Eridani	...	...	7	1	90.02	3	3 59 21.182	+ 3.0174	+ 0.0069		962
963	Eridani	...	...	8	...	91.75	3	3 59 45.073	+ 2.8244	+ 0.0050		963
964	Eridani	...	...	6-7	2	91.04	3	3 59 50.587	+ 2.6356	+ 0.0037		964
965	Eridani	...	...	6-7	2	85.65	3	4 0 38.591	+ 2.8856	+ 0.0056		965
966	Eridani	...	...	7-8	1	90.45	5	4 0 39.395	+ 2.8556	+ 0.0052		966
967	48 Persei	...	...	c	4*	...	3	4 0 40.675	+ 4.3345	+ 0.0364	+ 0.0020	967
968	Eridani	...	...	8	1	92.01	3	4 0 56.159	+ 2.7610	+ 0.0044		968
969	Eridani	...	...	7	1	84.74	3	4 0 57.161	+ 2.6314	+ 0.0037		969
970	Eridani	...	...	6	...	89.29	4	4 1 5.334	+ 2.4564	+ 0.0030	+ 0.0135	970
971	Eridani	...	...	7	...	82.38	3	4 1 40.988	+ 2.6869	+ 0.0039		971
972	Eridani	...	...	7	3	86.65	3	4 1 46.509	+ 2.8613	+ 0.0053		972
973	Eridani	...	...	7	4	87.06	3	4 2 0.211	+ 2.8662	+ 0.0053		973
974	Eridani	...	...	7	2	84.43	3	4 2 5.089	+ 2.9440	+ 0.0059		974
975	Eridani	...	...	7	3	87.31	3	4 2 12.310	+ 2.5953	+ 0.0035		975
976	43 Tauri ...	...	...	ω ¹	5-6	1	13	4 2 45.473	+ 3.4811	+ 0.0137	+ 0.0061	976
977	Eridani	...	...	7-8	4	88.35	4	4 3 28.607	+ 2.8883	+ 0.0055		977
978	Eridani	...	...	7	4	83.08	3	4 4 0.868	+ 2.9036	+ 0.0056		978
979	Eridani	...	...	8-9	2	91.60	3	4 4 1.912	+ 3.0322	+ 0.0069		979
980	Eridani	...	...	6	1	84.69	3	4 4 18.121	+ 2.7220	+ 0.0042		980
981	Eridani	...	...	7	1	89.91	3	4 4 19.407	+ 2.9935	+ 0.0064		981
982	Eridani	...	...	7-6	3	82.38	3	4 4 20.836	+ 2.9042	+ 0.0056		982
983	Eridani	...	...	7-6	2	90.35	3	4 5 0.001	+ 2.6557	+ 0.0039		983
984	37 Eridani	...	...	6-5	2	86.67	3	4 5 0.520	+ 2.9242	+ 0.0058	- 0.0017	984
985	Eridani	...	...	7-8	...	91.03	3	4 5 5.719	+ 2.6622	+ 0.0038		985
986	Eridani	...	...	7-6	...	90.27	4	4 5 21.368	+ 2.5172	+ 0.0032		986
987	Eridani	...	...	8-7	1	91.72	3	4 5 26.086	+ 2.7511	+ 0.0044		987
988	Eridani	...	...	6	2	85.41	3	4 5 29.734	+ 2.8844	+ 0.0057		988
989	Eridani	...	...	8-7	2	91.73	3	4 5 32.316	+ 2.8312	+ 0.0050		989
990	Eridani	...	...	7	1	89.97	3	4 5 54.796	+ 3.0580	+ 0.0072		990

963. A fainter star precedes 10^s, and is south.

970. The N. P. D. of this star in Lalande is 1' too great.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
946	91.73	3	99 53 31.69	- 10.342	+ 0.363					1058			946
947	84.40	3	91 51 29.98	- 10.331	+ 0.384	+ 0.025	550	222	7457	1056	1697	626	947
948	89.94	3	112 35 6.10	- 10.296	+ 0.329				7492				948
949	87.58	3	108 40 33.01	- 10.261	+ 0.341				7499				949
950	85.93	4	90 34 4.76	- 10.256	+ 0.386	+ 0.250		226	7484	1072	1702	627	950
951	89.67	3	111 19 40.48	- 10.245	+ 0.333				7521				951
952	91.96	3	97 13 8.66	- 10.180	+ 0.372				7538				952
953	89.33	3	112 53 48.83	- 10.175	+ 0.329				7559				953
954	82.71	8	68 13 8.79	- 10.164	+ 0.449	+ 0.058	554	232	7501		1713	630	954
955	88.04	3	39 56 52.34	- 10.149	+ 0.564	+ 0.032	549	224					955
956	85.04	5	110 26 50.97	- 10.135	+ 0.337				7579			632	956
957	90.27	3	94 54 13.53	- 10.134	+ 0.379				7555				957
958	85.84	5	110 27 40.62	- 10.120	+ 0.337				7590			635	958
959	90.98	3	114 45 46.84	- 10.116	+ 0.324				7598				959
960	91.59	3	106 53 21.54	- 10.092	+ 0.347				7601				960
961	84.69	3	103 5 42.15	- 10.084	+ 0.358				7600	1120		636	961
962	90.02	3	92 43 41.57	- 10.076	+ 0.385				7592				962
963	91.75	3	102 5 59.73	- 10.045	+ 0.361				7623	1131			963
964	91.04	3	110 40 57.90	- 10.038	+ 0.337				7632				964
965	85.65	3	99 9 15.59	- 9.977	+ 0.369					1149			965
966	90.88	6	100 35 39.76	- 9.977	+ 0.366				7643				966
967	88.78	3	42 34 53.84	- 9.975	+ 0.553	+ 0.033	557	240	7562			640	967
968	92.01	3	105 1 30.96	- 9.956	+ 0.354				7658				968
969	84.74	3	110 48 38.35	- 9.954	+ 0.337				7666				969
970	91.40	3	117 57 11.58	- 9.944	+ 0.315	- 0.100		251	7676		1744		970
971	82.38	3	108 20 48.78	- 9.899	+ 0.345				7685			645	971
972	86.65	3	100 17 30.74	- 9.892	+ 0.367				7682				972
973	87.06	3	100 3 10.34	- 9.875	+ 0.368				7689	1176			973
974	84.43	3	96 18 11.51	- 9.868	+ 0.378				7687	1177			974
975	87.31	3	112 17 20.69	- 9.859	+ 0.334				7711				975
976	90.96	3	70 40 55.41	- 9.817	+ 0.447	+ 0.033	562	252	7684			646	976
977	88.51	3	98 57 43.02	- 9.762	+ 0.372				7737	8			977
978	83.08	3	98 13 8.05	- 9.721	+ 0.375				7756	25			978
979	91.60	3	91 58 25.41	- 9.719	+ 0.391				7750	22			979
980	84.69	3	106 40 34.55	- 9.699	+ 0.352				7776			650	980
981	89.91	3	93 51 47.75	- 9.698	+ 0.386			262	7762	29	1761		981
982	82.38	3	98 11 9.62	- 9.695	+ 0.375				7768	32			982
983	90.35	3	109 34 33.13	- 9.645	+ 0.344								983
984	86.67	3	97 12 43.18	- 9.645	+ 0.378	+ 0.018	567	3	7794	45	1766	651	984
985	91.03	3	109 17 27.37	- 9.638	+ 0.345				7815				985
986	92.70	3	115 19 51.80	- 9.618	+ 0.326				7831		1769		986
987	91.72	3	105 19 3.55	- 9.612	+ 0.356								987
988	85.41	3	99 6 25.22	- 9.607	+ 0.373				7819			652	988
989	91.73	3	101 37 7.08	- 9.604	+ 0.367				7823	58			989
990	89.97	3	90 42 29.43	- 9.575	+ 0.396				7826	60			990

954, 955, 967, 970, are respectively 1137, 1135, 1147, 1150 of the Radcliffe Catalogue, 1845.
 954, 970, 976, 984, are respectively 452, 460, 461, 462 of the Radcliffe Catalogue, 1860.
 950, 970. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
991	Eridani	7	2	90.27	3	4	6	24.980	+ 2.7296	+ 0.0042		991
992	38 Eridani	4-5	4	86.62	31	4	6	29.729	+ 2.9255	+ 0.0057	- 0.0006	992
993	Eridani	7-6	1	86.35	4	4	6	38.122	+ 2.8836	+ 0.0055		993
994	Eridani	8-9	5	92.12	3	4	6	44.465	+ 2.6295	+ 0.0037		994
995	Eridani	6-7	3	89.37	3	4	6	46.273	+ 2.6291	+ 0.0037		995
996	51 Persei	4-5*	...	87.47	3	4	6	49.314	+ 4.3857	+ 0.0361	- 0.0009	996
997	Eridani	7	1	91.29	3	4	6	52.763	+ 2.9758	+ 0.0063		997
998	Eridani	8	1	91.98	3	4	6	58.191	+ 2.7896	+ 0.0046		998
999	Eridani	8-7	...	91.94	3	4	7	0.646	+ 3.0149	+ 0.0066		999
1000	Eridani	7-6	2	89.30	3	4	7	2.864	+ 2.6999	+ 0.0041		1000
1001	52 Persei	5*	...	91.69	3	4	7	24.122	+ 4.0688	+ 0.0266	+ 0.0002	1001
1002	Eridani	7	3	87.08	3	4	7	32.958	+ 2.9347	+ 0.0058		1002
1003	Eridani	7-8	...	82.94	3	4	8	2.966	+ 3.0430	+ 0.0070		1003
1004	Eridani	7-6	2	90.71	3	4	8	7.919	+ 2.5442	+ 0.0034		1004
1005	Eridani	7-6	1	87.64	3	4	8	21.537	+ 2.5611	+ 0.0034		1005
1006	Eridani	7-8	3	86.95	3	4	9	3.232	+ 2.7271	+ 0.0042		1006
1007	39 Eridani	5-6	3	83.11	3	4	9	9.644	+ 2.8525	+ 0.0051	- 0.0025	1007
1008	Eridani	8-9	2	91.39	3	4	9	26.299	+ 2.9548	+ 0.0060		1008
1009	Persei	5*	...	86.14	3	4	9	58.391	+ 4.4869	+ 0.0382		1009
1010	Eridani	7	1	84.66	3	4	10	0.805	+ 2.7222	+ 0.0042		1010
1011	40 Eridani	5-4	1	82.55	4	4	10	12.551	+ 2.9095	+ 0.0055	- 0.1442	1011
1012	Eridani	9-10	1	92.33	3	4	10	17.773	+ 2.9093	+ 0.0055	- 0.1442	1012
1013	Eridani	7-6	...	84.36	3	4	10	27.745	+ 2.7159	+ 0.0042		1013
1014	50 Tauri	6-5*	...	83.73	3	4	10	48.977	+ 3.5121	+ 0.0135	- 0.0039	1014
1015	Eridani	7	1	89.69	3	4	10	53.414	+ 2.6653	+ 0.0039		1015
1016	Eridani	7	2	87.01	3	4	11	4.635	+ 2.5553	+ 0.0035		1016
1017	Eridani	7	2	86.68	3	4	11	7.564	+ 2.5819	+ 0.0036		1017
1018	Eridani	7-8	1	88.27	3	4	11	23.233	+ 2.6826	+ 0.0039		1018
1019	Eridani	8	1	91.65	3	4	11	24.402	+ 2.8686	+ 0.0052		1019
1020	Eridani	6-7	1	84.38	3	4	11	56.512	+ 2.9317	+ 0.0057		1020
1021	Eridani	8-9	...	92.34	3	4	12	19.712	+ 2.7808	+ 0.0046		1021
1022	Eridani	8	...	91.66	3	4	12	30.073	+ 2.6433	+ 0.0038		1022
1023	Eridani	7-6	2	89.59	3	4	13	11.002	+ 2.7545	+ 0.0044		1023
1024	Eridani	6-7	2	87.97	4	4	13	28.185	+ 2.6141	+ 0.0037		1024
1025	54 Tauri	4	3	86.37	23	4	13	32.012	+ 3.4008	+ 0.0114	+ 0.0073	1025
1026	Eridani	8-7	2	89.91	3	4	13	50.497	+ 2.6844	+ 0.0039		1026
1027	Eridani	6-7	1	87.64	3	4	13	55.280	+ 2.5589	+ 0.0035		1027
1028	Eridani	9-8	2	92.10	3	4	14	1.758	+ 2.7831	+ 0.0046		1028
1029	Eridani	7	2	87.43	3	4	14	5.723	+ 2.6809	+ 0.0039		1029
1030	Eridani	7	...	87.10	3	4	14	12.152	+ 2.8961	+ 0.0055		1030
1031	Eridani	7-6	...	90.13	3	4	14	43.431	+ 3.0119	+ 0.0064		1031
1032	Eridani	7-6	3	90.04	3	4	14	44.758	+ 2.8032	+ 0.0047		1032
1033	Eridani	7	2	91.33	3	4	14	54.355	+ 3.0394	+ 0.0067		1033
1034	Eridani	6	...	88.69	3	4	15	6.367	+ 2.5059	+ 0.0033		1034
1035	Eridani	7	2	86.03	3	4	15	10.305	+ 2.7126	+ 0.0041		1035

997. The magnitude and R. A. of this star agree closely with those of Lalande 7858, but the N. P. D. is 20' greater.
 1010. A star of the 8-9 magnitude follows 12^s, and is 1' south.
 1011, 1012. These stars have a very large common Proper Motion.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
991	90°27	3	106 15 16.04	-9.536	+0.354				7854				991
992	82°48	7	97 7 29.51	-9.530	+0.380	-0.085	568	11	7842	76	1774	655	992
993	86°35	4	99 7 19.13	-9.520	+0.374				7853	81			993
994	90°81	4	110 37 36.36	-9.512	+0.342				7873				994
995	89°37	3	110 38 31.71	-9.510	+0.342				7874				995
996	88°77	3	41 52 15.54	-9.506	+0.567	+0.027	564	1	7779		1776	657	996
997	91°29	3	94 41 39.04	-9.500	+0.386				7858				997
998	91°98	3	103 30 25.71	-9.494	+0.362					90			998
999	91°94	3	92 47 55.09	-9.490	+0.391				7861	87			999
1000	89°30	3	107 33 25.48	-9.488	+0.351				7880				1000
1001	89°42	5	49 47 43.99	-9.461	+0.527	+0.025	565	8	7825			660	1001
1002	87°08	3	96 40 0.67	-9.449	+0.382				7895	99			1002
1003	82°94	3	91 25 48.95	-9.410	+0.396				7905	108			1003
1004	90°71	3	114 6 10.56	-9.404	+0.332						1782		1004
1005	87°51	4	113 24 31.26	-9.386	+0.334				7931		1783		1005
1006	86°95	3	106 16 20.85	-9.333	+0.356				7950				1006
1007	83°11	3	100 31 47.38	-9.324	+0.372	+0.160	574	26	7944	134	1789	663	1007
1008	91°39	3	95 40 30.70	-9.303	+0.386					141			1008
1009	86°86	3	39 58 32.73	-9.261	+0.584			18				665	1009
1010	84°66	3	106 27 23.98	-9.258	+0.356				7982				1010
1011	82°71	3	97 49 27.63	-9.243	+0.381	+3.442	578	29	7988	164	1801	666	1011
1012	92°33	3	97 49 49.88	-9.237	+0.381	+3.442				166			1012
1013	84°36	3	106 43 16.59	-9.223	+0.356				8002				1013
1014	83°73	3	69 41 33.16	-9.196	+0.459	+0.038	575	27	7971				1014
1015	89°69	3	108 54 57.29	-9.191	+0.350				8019				1015
1016	87°01	3	113 30 47.84	-9.175	+0.335				8032		1806		1016
1017	86°68	3	112 25 28.96	-9.171	+0.339				8033				1017
1018	88°27	3	108 8 57.02	-9.152	+0.352				8035				1018
1019	91°65	3	99 43 38.02	-9.151	+0.376					184			1019
1020	84°38	3	96 44 36.96	-9.108	+0.385				8048	194		672	1020
1021	92°34	3	103 45 2.13	-9.078	+0.366				8069	205			1021
1022	91°66	3	109 47 44.43	-9.065	+0.348				8089				1022
1023	89°42	4	104 54 29.45	-9.012	+0.363				8102	225			1023
1024	88°99	5	110 59 4.51	-8.989	+0.345				8113				1024
1025	81°62	9	74 38 18.26	-8.984	+0.447	+0.030	583	39	8077		1819	680	1025
1026	89°91	3	107 58 34.25	-8.961	+0.354				8119				1026
1027	87°64	3	113 14 19.84	-8.954	+0.338				8129		1824		1027
1028	92°10	3	103 35 41.92	-8.945	+0.367								1028
1029	87°43	3	108 7 6.61	-8.940	+0.354				8128				1029
1030	87°10	3	98 23 9.88	-8.932	+0.382					241			1030
1031	90°13	3	92 53 37.17	-8.891	+0.398					250			1031
1032	88°08	4	102 39 52.89	-8.889	+0.370				8142	256			1032
1033	91°33	3	91 34 47.85	-8.877	+0.401				8137				1033
1034	88°69	3	115 17 24.76	-8.861	+0.332			56	8174		1832		1034
1035	86°03	3	106 42 5.00	-8.856	+0.359				8165				1035

992, 996, 1001, 1009, 1014, 1025, are respectively 1168, 1165, 1170, 1181, 1188, 1205 of the Radcliffe Catalogue, 1845.
 992, 1003, 1007, 1011, 1014, 1025, are respectively 466, 467, 470, 473, 474, 479 of the Radcliffe Catalogue, 1860.

No.	Constellation.				Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
									h. m. s.	s.	s.	s.	
1036	Eridani	...	...	...	7-6	3	83.77	4	4 15 14.638	+ 2.9356	+ 0.0057		1036
1037	Eridani	...	...	...	6-7	1	86.36	3	4 15 22.632	+ 2.9070	+ 0.0055		1037
1038	Eridani	...	...	...	7	...	90.79	3	4 15 43.529	+ 2.7032	+ 0.0040		1038
1039	Eridani	...	...	...	6-7	1	86.02	3	4 15 49.643	+ 3.0650	+ 0.0069	0.0000	1039
1040	Eridani	...	...	...	6-5	2	83.10	3	4 15 50.979	+ 2.6137	+ 0.0037		1040
1041	Eridani	...	...	...	8	2	91.82	4	4 15 53.423	+ 2.8223	+ 0.0048		1041
1042	Eridani	...	...	...	7-8	2	91.37	3	4 15 59.309	+ 2.6447	+ 0.0039		1042
1043	Eridani	...	...	...	7-6	2	85.38	3	4 16 14.400	+ 2.9346	+ 0.0057		1043
1044	61 Tauri	...	...	...	δ ¹ 4*	...	90.35	3	4 16 35.485	+ 3.4468	+ 0.0118	+ 0.0066	1044
1045	Eridani	...	...	...	7-8	...	89.70	3	4 16 43.243	+ 2.9685	+ 0.0059		1045
1046	Eridani	...	...	...	8-7	1	91.70	3	4 17 2.104	+ 2.5852	+ 0.0036		1046
1047	Eridani	...	...	...	10-11	5	90.99	3	4 17 8.451	+ 3.0485	+ 0.0067		1047
1048	Eridani	...	...	...	8	4	89.13	4	4 17 43.718	+ 3.0467	+ 0.0067		1048
1049	Eridani	...	...	...	7-8	4	87.35	3	4 18 0.035	+ 2.9037	+ 0.0054		1049
1050	42 Eridani	...	...	...	ξ 6-5	2	84.76	3	4 18 12.178	+ 2.9881	+ 0.0061	- 0.0048	1050
1051	Eridani	...	...	...	6	...	86.71	3	4 18 29.746	+ 2.5054	+ 0.0033		1051
1052	69 Tauri	...	...	...	υ ¹ 5-4	1	86.04	3	4 19 43.537	+ 3.5757	+ 0.0136	+ 0.0068	1052
1053	Eridani	...	...	...	7-6	1	86.95	3	4 20 5.223	+ 3.0373	+ 0.0065		1053
1054	Eridani	...	...	...	7	2	82.39	3	4 20 27.940	+ 2.8548	+ 0.0050		1054
1055	Eridani	...	...	...	8-9	2	91.65	3	4 20 34.392	+ 2.6915	+ 0.0039		1055
1056	Eridani	...	...	...	8	...	91.68	3	4 20 54.563	+ 2.7803	+ 0.0046		1056
1057	Eridani	...	...	...	7-8	1	91.02	3	4 21 24.453	+ 2.9205	+ 0.0054		1057
1058	Eridani	...	...	...	8-9	...	91.71	3	4 21 51.786	+ 2.8767	+ 0.0051		1058
1059	Eridani	...	...	...	8-7	2	91.08	3	4 21 56.691	+ 2.9427	+ 0.0056		1059
1060	Eridani	...	...	...	7	3	85.98	5	4 22 0.090	+ 2.6559	+ 0.0039		1060
1061	74 Tauri	...	...	...	ε 4-3	2	88.26	33	4 22 11.618	+ 3.4900	+ 0.0120	+ 0.0070	1061
1062	Eridani	...	...	...	6-7	1	87.74	3	4 22 19.289	+ 2.5222	+ 0.0034		1062
1063	Eridani	...	...	...	7	3	87.05	3	4 22 36.237	+ 2.8276	+ 0.0048		1063
1064	Eridani	...	...	...	7	2	86.65	3	4 23 5.908	+ 2.7361	+ 0.0042		1064
1065	Eridani	...	...	...	7	1	83.43	3	4 23 10.741	+ 2.5861	+ 0.0036		1065
1066	Eridani	...	...	...	7-8	2	88.27	3	4 23 33.360	+ 2.5542	+ 0.0035		1066
1067	Eridani	...	...	...	6-7	2	87.11	3	4 23 48.630	+ 2.6354	+ 0.0039		1067
1068	Eridani	...	...	...	8	1	91.13	3	4 23 54.088	+ 3.0159	+ 0.0061		1068
1069	Eridani	...	...	...	6-5	1	85.07	3	4 24 0.383	+ 2.7840	+ 0.0045		1069
1070	Eridani	...	...	...	6-7	3	82.71	3	4 25 4.682	+ 2.7712	+ 0.0044		1070
1071	Eridani	...	...	...	7-8	1	86.67	3	4 25 53.516	+ 2.5455	+ 0.0035		1071
1072	45 Eridani	...	...	...	6-5	1	82.05	4	4 26 15.055	+ 3.0665	+ 0.0065	- 0.0013	1072
1073	Eridani	...	...	...	7-6	1	84.09	3	4 26 21.079	+ 2.7694	+ 0.0044		1073
1074	Eridani	...	...	...	8-7	2	91.01	3	4 26 31.905	+ 2.9734	+ 0.0058		1074
1075	Eridani	...	...	...	7-6	1	89.29	3	4 26 48.756	+ 2.7920	+ 0.0045		1075
1076	Eridani	...	...	...	6	2	83.12	3	4 27 7.263	+ 2.9986	+ 0.0059		1076
1077	Eridani	...	...	...	8-7	3	88.59	3	4 27 11.294	+ 2.5165	+ 0.0034		1077
1078	Eridani	...	...	...	7-6	...	89.62	3	4 27 13.196	+ 2.6024	+ 0.0037		1078
1079	Eridani	...	...	...	7	2	87.11	3	4 27 58.965	+ 2.7935	+ 0.0045		1079
1080	Eridani	...	...	...	7-8	1	91.03	3	4 28 5.742	+ 3.0281	+ 0.0062		1080

1054. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1036	83.77	4	96 30 28.69	-8.850	+0.388				8154			685	1036
1037	86.36	3	97 51 21.15	-8.839	+0.384				8159	270			1037
1038	90.79	3	107 5 37.31	-8.812	+0.358								1038
1039	86.02	3	90 21 23.07	-8.804	+0.405	+0.140		55	8168	279	1837	688	1039
1040	83.10	3	110 54 8.63	-8.802	+0.346				8205			690	1040
1041	92.07	5	101 45 43.86	-8.800	+0.374				8190	287			1041
1042	91.37	3	109 35 54.72	-8.792	+0.350				8212				1042
1043	85.38	3	96 32 42.52	-8.771	+0.389				8199			691	1043
1044	88.28	4	72 42 57.14	-8.745	+0.456	+0.025	594	57	8178			692	1044
1045	89.70	3	94 56 14.37	-8.734	+0.394				8222	300			1045
1046	91.70	3	112 1 51.88	-8.709	+0.343								1046
1047	91.87	5	91 8 25.52	-8.701	+0.404								1047
1048	89.13	4	91 13 30.02	-8.654	+0.405				8262	324			1048
1049	87.35	3	97 57 43.09	-8.633	+0.386				8286	330			1049
1050	84.76	3	94 0 0.80	-8.617	+0.397	+0.031	602	72	8290	336	1855		1050
1051	86.71	3	115 8 55.24	-8.594	+0.334				8312		1860		1051
1052	84.67	4	67 26 10.58	-8.496	+0.476	+0.034	604	75	8302			704	1052
1053	86.95	3	91 39 44.93	-8.468	+0.405				8345	376			1053
1054	82.39	3	100 10 39.68	-8.438	+0.381				8361	389			1054
1055	91.65	3	107 26 5.64	-8.430	+0.360				8374				1055
1056	91.68	3	103 31 54.77	-8.402	+0.372				8383	399			1056
1057	91.02	3	97 7 52.75	-8.364	+0.391				8389	409			1057
1058	91.71	3	99 8 47.00	-8.326	+0.385					423			1058
1059	91.08	3	96 5 29.16	-8.320	+0.394				8410	424			1059
1060	85.98	5	108 54 16.98	-8.316	+0.356				8421				1060
1061	85.13	10	71 3 50.35	-8.300	+0.467	+0.028	609	87	8388		1884	712	1061
1062	87.74	3	114 19 42.14	-8.291	+0.339						1891		1062
1063	87.05	3	101 22 15.81	-8.268	+0.379				8431				1063
1064	86.65	3	105 25 35.54	-8.228	+0.367				8458				1064
1065	83.43	3	111 44 52.36	-8.222	+0.348				8474				1065
1066	88.27	3	113 0 45.64	-8.192	+0.344				8490				1066
1067	87.11	3	109 41 57.21	-8.171	+0.355				8497				1067
1068	91.13	3	92 39 14.86	-8.164	+0.405				8477	460			1068
1069	85.07	3	103 17 28.44	-8.156	+0.374				8495	467		718	1069
1070	82.71	3	103 49 58.11	-8.070	+0.374				8528				1070
1071	86.67	3	113 15 47.19	-8.004	+0.344				8566		1921		1071
1072	82.05	4	90 16 48.73	-7.976	+0.414	+0.017	624	110	8558	509	1924	723	1072
1073	83.60	4	103 52 48.31	-7.968	+0.374				8575	518			1073
1074	91.01	3	94 37 3.16	-7.953	+0.401					516			1074
1075	89.29	3	102 52 6.93	-7.931	+0.377				8585	525			1075
1076	83.12	3	93 26 36.69	-7.906	+0.405				8588	526		726	1076
1077	88.72	4	114 20 44.22	-7.901	+0.341				8607				1077
1078	89.62	3	110 56 1.64	-7.898	+0.352				8604				1078
1079	87.11	3	102 46 30.82	-7.837	+0.378				8618	559			1079
1080	91.03	3	92 3 51.42	-7.827	+0.410					553			1080

1044, 1052, 1061, 1072, are respectively 1213, 1228, 1239, 1258 of the Radcliffe Catalogue, 1845.
 1044, 1052, 1061, 1072, are respectively 487, 499, 502, 516 of the Radcliffe Catalogue, 1860.
 1039. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.				Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
									h.	m.	s.				
1081	Eridani	...	...	...	6-7	2	87°00	3	4	28	10°194	+ 2°8328	+ 0°0047		1081
1082	Eridani	...	...	...	7	...	86°35	3	4	28	10°580	+ 2°9165	+ 0°0052		1082
1083	Eridani	...	...	...	7	1	89°29	3	4	28	19°245	+ 2°9531	+ 0°0055		1083
1084	Eridani	...	...	...	7	2	84°73	3	4	28	20°500	+ 2°8888	+ 0°0052		1084
1085	46 Eridani	...	...	...	6-5*	...	90°02	3	4	28	33°011	+ 2°9219	+ 0°0054	- 0°0003	1085
1086	Eridani	...	...	...	9-10	1	92°03	3	4	28	49°871	+ 2°8061	+ 0°0046		1086
1087	Eridani	...	...	...	7-6	1	90°06	3	4	28	52°921	+ 2°9197	+ 0°0052	- 0°0026	1087
1088	47 Eridani	...	...	...	6-5	2	85°10	3	4	28	53°568	+ 2°8891	+ 0°0051	- 0°0043	1088
1089	Eridani	...	...	...	6-5	2	87°11	3	4	28	55°733	+ 2°8729	+ 0°0050		1089
1090	Eridani	...	...	...	8	1	91°35	3	4	29	1°315	+ 2°6620	+ 0°0039		1090
1091	Eridani	...	...	...	9	...	92°05	3	4	29	17°941	+ 2°8115	+ 0°0046		1091
1092	87 Tauri	...	...	a	1*	...	85°49	24	4	29	36°512	+ 3°4331	+ 0°0104	+ 0°0035	1092
1093	Eridani	...	...	...	9-8	...	88°42	3	4	29	58°673	+ 2°8555	+ 0°0048		1093
1094	Eridani	...	...	...	8-7	...	86°61	3	4	29	59°363	+ 2°8555	+ 0°0048		1094
1095	Eridani	...	...	...	7	2	90°72	3	4	30	1°042	+ 2°5156	+ 0°0034		1095
1096	Eridani	...	...	...	6	...	85°74	3	4	30	11°539	+ 2°6191	+ 0°0037		1096
1097	Eridani	...	...	...	7-6	1	89°06	3	4	30	32°522	+ 2°9896	+ 0°0058	- 0°0025	1097
1098	Eridani	...	...	...	7	1	82°13	3	4	30	41°510	+ 2°5021	+ 0°0033		1098
1099	48 Eridani	...	...	v	3-4*	...	87°15	3	4	30	49°403	+ 2°9952	+ 0°0058	- 0°0023	1099
1100	Eridani	...	...	...	8-7	...	92°00	3	4	31	0°361	+ 2°5835	+ 0°0035		1100
1101	Eridani	...	...	...	7-8	1	90°99	3	4	31	24°398	+ 2°6781	+ 0°0039		1101
1102	51 Eridani	...	...	c	6	1	83°09	3	4	32	4°000	+ 3°0142	+ 0°0059	+ 0°0026	1102
1103	Eridani	...	...	...	8-9	2	91°69	3	4	32	28°387	+ 2°7030	+ 0°0040		1103
1104	Eridani	...	...	...	8-7	1	89°95	3	4	32	32°521	+ 2°5500	+ 0°0035		1104
1105	53 Eridani	...	...	...	4-5	3	84°48	5	4	33	8°435	+ 2°7509	+ 0°0042	- 0°0077	1105
1106	Eridani	...	...	...	7-8	2	87°10	3	4	33	13°088	+ 2°5980	+ 0°0036		1106
1107	Eridani	...	...	...	8	...	91°05	3	4	33	39°532	+ 2°9632	+ 0°0055		1107
1108	Eridani	...	...	...	5-6	1	84°09	3	4	33	45°706	+ 2°8005	+ 0°0045		1108
1109	Eridani	...	...	...	6-7	2	84°70	3	4	34	11°811	+ 3°0449	+ 0°0061		1109
1110	Eridani	...	...	...	6-5	5	88°17	3	4	34	16°172	+ 2°7490	+ 0°0042	+ 0°0060	1110
1111	Eridani	...	...	...	6-5	2	81°69	6	4	35	32°207	+ 2°4990	+ 0°0034		1111
1112	54 Eridani	...	...	...	5	1	85°08	3	4	35	37°684	+ 2°6214	+ 0°0037	0°0000	1112
1113	94 Tauri	...	...	τ	4-5*	...	87°29	15	4	35	38°592	+ 3°5954	+ 0°0121	- 0°0010	1113
1114	Eridani	...	...	...	7	1	88°63	3	4	35	43°374	+ 2°9202	+ 0°0051		1114
1115	Eridani	...	...	...	7-6	1	86°68	3	4	36	34°769	+ 2°7913	+ 0°0043		1115
1116	Aurigæ	...	...	...	7-6	...	91°96	3	4	36	41°598	+ 3°8734	+ 0°0162		1116
1117	Eridani	...	...	...	7	...	90°02	3	4	36	47°083	+ 3°0476	+ 0°0060		1117
1118	Eridani	...	...	...	7	3	90°42	3	4	37	16°520	+ 2°9418	+ 0°0051		1118
1119	Eridani	...	...	...	8	1	91°04	3	4	37	43°513	+ 2°5312	+ 0°0035		1119
1120	Eridani	...	...	...	7-8	1	87°14	3	4	37	45°372	+ 2°9259	+ 0°0050		1120
1121	Eridani	...	...	...	8	3	91°01	3	4	38	10°899	+ 2°7174	+ 0°0040		1121
1122	55 Eridani	...	...	...	7	2	85°41	3	4	38	17°961	+ 2°8741	+ 0°0049	- 0°0007	1122
1123	Eridani	...	...	...	7-6	2	85°41	3	4	38	18°510	+ 2°8740	+ 0°0049	- 0°0007	1123
1124	Eridani	...	...	...	8	1	91°36	3	4	38	34°046	+ 2°8314	+ 0°0046		1124
1125	56 Eridani	...	...	...	6-7	1	84°45	3	4	38	48°143	+ 2°8804	+ 0°0048	- 0°0017	1125

1092. This star in the Harvard Photometry is of the unit magnitude.
 1122, 1123. It would appear that these stars were observed as one mass by Bradley.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1081	87°00	3	101 1 7.24	-7.822	+0.384				8623	566			1081
1082	86°35	3	97 13 15.81	-7.821	+0.395				8621	562			1082
1083	89°29	3	95 32 20.89	-7.810	+0.400				8622	567			1083
1084	84°73	3	98 29 14.76	-7.809	+0.391								1084
1085	90°02	3	96 58 11.33	-7.791	+0.396	+0.007	631	121	8632	570	1951		1085
1086	92°03	3	102 11 40.58	-7.768	+0.381								1086
1087	90°06	3	97 4 1.87	-7.764	+0.396	+0.052	633		8650	580	1954	732	1087
1088	85°10	3	98 27 42.77	-7.763	+0.392	-0.008	634	126			1955		1088
1089	87°11	3	99 11 51.02	-7.760	+0.390					585		733	1089
1090	91°35	3	108 24 48.21	-7.753	+0.361				8660				1090
1091	92°05	3	101 56 51.62	-7.731	+0.382				8661	593			1091
1092	82°35	12	73 42 44.21	-7.707	+0.466	+0.184	630	125	8639		1962	734	1092
1093	88°42	3	99 57 52.56	-7.675	+0.388				8681	609			1093
1094	87°99	4	99 57 49.41	-7.675	+0.388				8683	610			1094
1095	90°72	3	114 16 10.36	-7.673	+0.342				8696		1966		1095
1096	85°74	3	110 9 4.63	-7.659	+0.356				8697				1096
1097	89°06	3	93 50 15.86	-7.631	+0.407	+0.010	635		8690	621	1969		1097
1098	82°13	3	114 45 35.10	-7.618	+0.341				8716		1975		1098
1099	87°15	3	93 34 40.94	-7.608	+0.407	-0.009	637	133	8699	628	1979		1099
1100	92°00	3	111 33 53.42	-7.593	+0.352				8722				1100
1101	90°99	3	107 40 5.52	-7.561	+0.365				8732				1101
1102	83°09	3	92 41 38.19	-7.507	+0.411	+0.071	642	140	8736	653	1984	741	1102
1103	91°69	3	106 35 3.22	-7.474	+0.369								1103
1104	89°95	3	112 50 13.26	-7.467	+0.348				8765				1104
1105	84°48	5	104 31 10.35	-7.420	+0.376	+0.162	647	150	8776		1993	745	1105
1106	87°10	3	110 54 30.95	-7.413	+0.355				8794				1106
1107	91°05	3	95 1 32.38	-7.377	+0.405					701			1107
1108	84°09	3	102 20 27.92	-7.368	+0.383			154	8799	707	1996	748	1108
1109	84°70	3	91 16 9.16	-7.333	+0.417			155	8801	710	1999		1109
1110	88°17	3	104 34 23.12	-7.328	+0.376	+0.122	650	157	8809	716	2000		1110
1111	82°02	4	114 41 52.45	-7.225	+0.343			167	8866		2008	755	1111
1112	85°08	3	109 52 59.09	-7.216	+0.360	+0.086	653	166	8860		2009	756	1112
1113	81°16	4	67 15 16.37	-7.215	+0.492	+0.009	648	159	8815		2007	754	1113
1114	88°63	3	96 57 39.32	-7.209	+0.401				8847	741			1114
1115	86°68	3	102 41 16.13	-7.139	+0.384				8880	765			1115
1116	91°96	3	57 20 31.54	-7.130	+0.531			161					1116
1117	90°02	3	91 8 22.87	-7.122	+0.419				8874	761			1117
1118	90°42	3	95 57 59.89	-7.083	+0.404				8890	779			1118
1119	91°04	3	113 23 12.45	-7.045	+0.349			171	8918				1119
1120	87°14	3	96 40 43.41	-7.043	+0.403				8900	787			1120
1121	91°01	3	105 49 41.07	-7.008	+0.374				8924				1121
1122	85°41	3	99 0 1.32	-6.998	+0.396	+0.022	655	172	8922	797	2029		1122
1123	85°41	3	99 0 7.95	-6.997	+0.396	+0.022		173		798	2030		1123
1124	91°36	3	100 53 20.81	-6.976	+0.390				8931	802			1124
1125	84°45	3	98 42 33.88	-6.957	+0.397	-0.001	656	178	8935	807	2033		1125

1092, 1105, 1111, 1113, are respectively 1273, 1288, 1300, 1297 of the Radcliffe Catalogue, 1845.

1092, 1105, 1110, 1111, 1112, 1113, are respectively 523, 529, 532, 535, 536, 534 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R. A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
1126	4 Camelopardali ...	6*	...	87.05	3	4	38	50.214	+ 4.9713	+ 0.0404	+ 0.0031	1126
1127	Eridani ...	8-7	1	91.72	3	4	39	0.737	+ 2.6021	+ 0.0036		1127
1128	Eridani ...	6-7	1	82.10	3	4	39	16.502	+ 2.6436	+ 0.0038		1128
1129	57 Eridani ...	μ 4-5	3	87.30	45	4	40	0.105	+ 2.9966	+ 0.0055	- 0.0002	1129
1130	Eridani ...	6-7	1	89.39	3	4	40	20.222	+ 2.5777	+ 0.0035		1130
1131	Eridani ...	7	2	86.74	3	4	40	53.322	+ 3.0032	+ 0.0056		1131
1132	Eridani ...	7-8	2	89.25	3	4	42	13.211	+ 2.5782	+ 0.0035		1132
1133	58 Eridani ...	6	4	83.09	3	4	42	39.814	+ 2.6836	+ 0.0037	+ 0.0081	1133
1134	Eridani ...	7	3	87.10	4	4	42	59.354	+ 2.8567	+ 0.0046		1134
1135	9 Camelopardali ...	α 4	1	84.31	3	4	43	6.861	+ 5.9284	+ 0.0683	- 0.0027	1135
1136	Eridani ...	6-7	...	83.75	3	4	43	10.020	+ 2.9429	+ 0.0050	+ 0.0170	1136
1137	59 Eridani ...	6	1	84.10	4	4	43	35.417	+ 2.6977	+ 0.0039	- 0.0003	1137
1138	Eridani ...	8-7	...	92.08	3	4	43	35.831	+ 2.6115	+ 0.0037		1138
1139	Eridani ...	8	...	91.80	3	4	43	36.559	+ 2.9106	+ 0.0048		1139
1140	Eridani ...	7-8	2	87.87	3	4	43	41.409	+ 2.7016	+ 0.0039		1140
1141	Eridani ...	8	1	91.75	3	4	44	11.741	+ 2.5235	+ 0.0033		1141
1142	Eridani ...	8-9	2	91.69	3	4	44	23.106	+ 3.0136	+ 0.0055		1142
1143	Eridani ...	8	2	91.65	3	4	44	39.407	+ 2.8050	+ 0.0042		1143
1144	Eridani ...	7-6	2	85.08	3	4	44	39.574	+ 2.7581	+ 0.0040		1144
1145	Orionis ...	8-7	...	91.13	3	4	45	11.658	+ 3.0662	+ 0.0058		1145
1146	60 Eridani ...	5	2	82.07	3	4	45	14.077	+ 2.6996	+ 0.0038	+ 0.0022	1146
1147	Eridani ...	7-8	2	87.13	3	4	45	54.236	+ 2.6339	+ 0.0037		1147
1148	Eridani ...	7-8	2	87.00	3	4	46	1.761	+ 2.9873	+ 0.0052		1148
1149	Eridani ...	7-8	1	90.03	4	4	46	5.500	+ 2.4183	+ 0.0033		1149
1150	4 Orionis ...	θ^1 5-4	2	89.14	3	4	46	18.550	+ 3.3903	+ 0.0084	- 0.0007	1150
1151	Eridani ...	7-8	2	84.78	3	4	46	23.458	+ 2.8809	+ 0.0047		1151
1152	Eridani ...	7-8	2	91.11	3	4	46	26.816	+ 2.8379	+ 0.0044		1152
1153	61 Eridani ...	ω 5-4	2	82.38	3	4	47	29.335	+ 2.9471	+ 0.0049	- 0.0044	1153
1154	Eridani ...	7	4	86.43	3	4	48	27.550	+ 2.5853	+ 0.0035		1154
1155	7 Camelopardali ...	5	1	85.72	4	4	48	28.126	+ 4.7966	+ 0.0313	- 0.0021	1155
1156	8 Orionis ...	π^5 4*	...	86.40	3	4	48	31.256	+ 3.1227	+ 0.0061	- 0.0004	1156
1157	Eridani ...	7-6	2	85.42	3	4	48	57.907	+ 2.9967	+ 0.0052		1157
1158	Eridani ...	7-8	2	87.88	3	4	49	2.727	+ 2.9476	+ 0.0048		1158
1159	Orionis ...	6-7	...	87.10	3	4	49	11.714	+ 3.0789	+ 0.0057		1159
1160	3 Aurigæ ...	ι 3*	...	85.31	12	4	49	49.810	+ 3.9000	+ 0.0142	+ 0.0006	1160
1161	Eridani ...	6-5	2	87.01	3	4	50	11.201	+ 2.6846	+ 0.0037		1161
1162	Eridani ...	6	3	83.84	4	4	50	22.183	+ 2.6923	+ 0.0037		1162
1163	62 Eridani ...	b 6	2	87.10	3	4	50	59.160	+ 2.9530	+ 0.0048	- 0.0010	1163
1164	Leporis ...	7-8	1	90.73	3	4	51	1.458	+ 2.5194	+ 0.0034		1164
1165	Eridani ...	7-8	1	89.99	3	4	51	19.750	+ 2.6597	+ 0.0036		1165
1166	Eridani ...	7-8	1	91.07	3	4	51	41.755	+ 2.8785	+ 0.0045		1166
1167	Orionis ...	7-6	3	83.11	3	4	51	42.267	+ 3.0449	+ 0.0054		1167
1168	Eridani ...	8-7	...	87.14	3	4	52	31.660	+ 2.9319	+ 0.0047		1168
1169	Eridani ...	7-6	2	84.44	3	4	52	38.445	+ 3.0192	+ 0.0051		1169
1170	Eridani ...	6-7	2	82.41	3	4	52	42.664	+ 2.7439	+ 0.0039		1170

1170. Lalande's R. A. is 30° too small.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1126	87°05	3	33 26 20.54	-6.954	+0.683	+0.155	649	164	8849				1126
1127	91°72	3	110 33 27.86	-6.939	+0.359				8946				1127
1128	82°10	3	108 52 16.97	-6.919	+0.366				8951			766	1128
1129	85°01	14	93 27 24.30	-6.859	+0.414	+0.002	657	183	8958	827	2047	771	1129
1130	89°39	3	111 29 8.04	-6.831	+0.356			186	8996		2053		1130
1131	86°74	3	93 9 11.65	-6.786	+0.415				8989	846			1131
1132	89°25	3	111 24 35.86	-6.676	+0.357				9039				1132
1133	83°09	4	107 8 10.16	-6.639	+0.372	-0.178	664	198	9045		2072		1133
1134	87°10	4	99 42 7.58	-6.613	+0.396				9050	891			1134
1135	81°50	20	23 50 42.66	-6.602	+0.819	+0.001		176				777	1135
1136	83°60	4	95 51 40.39	-6.598	+0.408	+0.260			9051	894			1136
1137	84°10	4	106 31 29.00	-6.563	+0.375	-0.058	668	206	9077		2080		1137
1138	92°08	3	110 2 48.39	-6.562	+0.363								1138
1139	91°80	3	97 18 12.88	-6.560	+0.404				9068				1139
1140	87°87	3	106 21 38.79	-6.555	+0.375				9079				1140
1141	91°75	3	113 28 1.13	-6.512	+0.351				9099				1141
1142	91°69	3	92 40 6.51	-6.497	+0.419					920			1142
1143	91°65	3	101 56 18.66	-6.475	+0.390				9102	932			1143
1144	85°08	3	103 57 19.71	-6.474	+0.384				9107				1144
1145	91°13	3	90 16 57.48	-6.429	+0.426				9112				1145
1146	82°07	3	106 24 31.76	-6.426	+0.376	-0.060	673	215	9123		2090	788	1146
1147	87°13	3	109 5 16.08	-6.371	+0.367				9156				1147
1148	87°00	3	93 50 48.00	-6.360	+0.416				9142				1148
1149	92°39	3	117 17 22.97	-6.355	+0.337				9167		2107		1149
1150	87°89	5	75 55 58.86	-6.337	+0.472	+0.059	672	216	9125	957		792	1150
1151	84°78	3	98 35 17.24	-6.331	+0.401								1151
1152	91°11	3	100 28 36.64	-6.326	+0.395					976			1152
1153	82°38	3	95 38 13.50	-6.240	+0.411	-0.044	676	227	9189		2118	795	1153
1154	86°43	3	110 57 13.85	-6.158	+0.361				9234				1154
1155	87°02	5	36 25 29.79	-6.158	+0.668	-0.012	669	217	9128				1155
1156	86°40	3	87 44 24.18	-6.154	+0.436	+0.007	680	232	9213	1023	2128	798	1156
1157	85°42	3	93 24 19.61	-6.116	+0.419			238	9230				1157
1158	87°88	3	95 36 0.29	-6.109	+0.412				9237	1039			1158
1159	87°10	3	89 42 41.98	-6.097	+0.430			239	9235	1041		799	1159
1160	81°40	12	57 0 31.67	-6.044	+0.545	+0.003	677	235	9221		2138	800	1160
1161	87°01	3	106 55 3.60	-6.015	+0.376				9277				1161
1162	83°84	4	106 35 45.42	-5.999	+0.377				9284				1162
1163	87°10	3	95 20 45.23	-5.948	+0.414	-0.011	689	250	9293	1078	2143		1163
1164	90°73	3	113 25 17.14	-5.945	+0.354				9320				1164
1165	89°99	3	107 54 38.81	-5.919	+0.373				9328				1165
1166	91°07	3	98 37 55.71	-5.888	+0.404				9330				1166
1167	83°11	3	91 14 19.83	-5.888	+0.427				9316	1094			1167
1168	87°14	3	96 16 20.31	-5.818	+0.412				9357				1168
1169	88°44	3	92 23 0.93	-5.810	+0.424				9355				1169
1170	82°41	3	104 24 9.27	-5.803	+0.386				9354				1170

1126, 1129, 1133, 1135, 1146, 1150, 1155, 1160, 1163, are respectively 1301, 1313, 1325, 1316, 1336, 1341, 1344, 1350, 1358 of the Radcliffe Catalogue, 1845.

1126, 1129, 1133, 1146, 1160, 1163, are respectively 537, 538, 542, 549, 554, 556 of the Radcliffe Catalogue, 1860.

1135. The Proper Motions have been taken from Auwers' "Catalog der Fundamental-Sterne."

1136. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
1171	Eridani	7	1	91°06	3	4	52	57.099	+ 2.9851	+ 0.0049		1171
1172	Leporis	7	1	87°01	3	4	53	15.152	+ 2.6822	+ 0.0036		1172
1173	Leporis	7-8	2	90°98	3	4	53	23.624	+ 2.5501	+ 0.0034		1173
1174	Eridani	8-7	1	89°99	3	4	53	33.298	+ 3.0209	+ 0.0052		1174
1175	10 Camelopardali ... β	4*	...	89°49	3	4	53	38.118	+ 5.3169	+ 0.0413	0.0000	1175
1176	Eridani	9	4	90°98	3	4	53	51.270	+ 2.7737	+ 0.0039		1176
1177	Leporis	7	2	90°23	3	4	53	52.102	+ 2.6567	+ 0.0036		1177
1178	7 Aurigæ ϵ	Var.	...	86°90	3	4	54	4.502	+ 4.2958	+ 0.0195	- 0.0016	1178
1179	Leporis	6-5	1	82°02	4	4	54	6.127	+ 2.6916	+ 0.0036		1179
1180	Leporis R	Var.	1	88°43	5	4	54	35.725	+ 2.7295	+ 0.0038		1180
1181	63 Eridani	6-5	2	89°53	3	4	54	37.971	+ 2.8365	+ 0.0042	+ 0.0009	1181
1182	64 Eridani	6-5	3	86°80	3	4	54	49.029	+ 2.7833	+ 0.0040	+ 0.0003	1182
1183	Orionis	7-6	3	88°92	3	4	55	7.106	+ 3.0225	+ 0.0051		1183
1184	Eridani	7-6	2	85°39	3	4	55	21.278	+ 2.9402	+ 0.0046	+ 0.0400	1184
1185	Tauri	8-9	1	91°00	3	4	55	41.972	+ 3.6533	+ 0.0102		1185
1186	Orionis	7-6	3	87°11	3	4	55	49.474	+ 3.0533	+ 0.0053		1186
1187	Eridani	7-8	2	90°09	3	4	55	53.091	+ 2.8141	+ 0.0041		1187
1188	65 Eridani ψ	5-6	2	84°45	3	4	56	6.348	+ 2.9071	+ 0.0045	- 0.0022	1188
1189	Eridani	7	1	90°07	3	4	56	36.633	+ 2.9450	+ 0.0045		1189
1190	Eridani	7	2	90°81	3	4	56	37.174	+ 2.8203	+ 0.0040		1190
1191	Leporis	5-6*	...	89°72	3	4	56	39.144	+ 2.5990	+ 0.0035		1191
1192	Tauri	9-8	2	89°75	3	4	56	40.138	+ 3.6538	+ 0.0101		1192
1193	Eridani	6-7	2	85°13	3	4	57	17.604	+ 2.9742	+ 0.0047		1193
1194	Leporis	5*	...	88°40	3	4	57	41.398	+ 2.4324	+ 0.0032		1194
1195	Eridani	7-8	2	90°33	3	4	57	45.744	+ 2.8727	+ 0.0042		1195
1196	9 Aurigæ	5*	...	88°22	3	4	58	3.819	+ 4.6894	+ 0.0251	- 0.0033	1196
1197	1 Leporis	6-7	1	87°38	3	4	58	6.343	+ 2.5268	+ 0.0032	+ 0.0034	1197
1198	Eridani	7	1	87°40	3	4	58	11.049	+ 3.0118	+ 0.0048		1198
1199	10 Aurigæ η	4-3*	...	91°45	3	4	58	47.972	+ 4.1968	+ 0.0166	+ 0.0022	1199
1200	Leporis	7-6	1	90°06	3	4	58	50.574	+ 2.7384	+ 0.0037		1200
1201	Eridani	7	1	90°46	3	4	58	55.170	+ 2.9327	+ 0.0044		1201
1202	Leporis	7	2	86°78	3	4	58	55.344	+ 2.7339	+ 0.0037		1202
1203	Leporis	6	2	90°02	3	4	59	19.632	+ 2.4834	+ 0.0032		1203
1204	Eridani	6-7	1	82°10	3	4	59	24.256	+ 3.0005	+ 0.0048		1204
1205	Leporis	8	1	92°01	3	4	59	45.267	+ 2.6521	+ 0.0035		1205
1206	Leporis	7	1	92°04	3	4	59	59.052	+ 2.5671	+ 0.0034		1206
1207	Leporis	7	2	86°44	3	5	0	4.074	+ 2.5922	+ 0.0034		1207
1208	2 Leporis ϵ	3-2	3	86°73	30	5	0	48.187	+ 2.5366	+ 0.0033	+ 0.0004	1208
1209	104 Tauri m	5-4	1	84°43	3	5	0	56.997	+ 3.5050	+ 0.0082	+ 0.0375	1209
1210	Eridani	8	...	91°78	3	5	0	59.599	+ 2.8312	+ 0.0040		1210
1211	Eridani	8	3	89°73	3	5	1	16.619	+ 2.9675	+ 0.0045		1211
1212	66 Eridani	5-6	1	90°37	4	5	1	19.220	+ 2.9638	+ 0.0045	- 0.0011	1212
1213	Leporis	7-8	...	93°03	3	5	1	21.635	+ 2.7297	+ 0.0036		1213
1214	Leporis	6-7	1	87°12	3	5	1	31.956	+ 2.7674	+ 0.0038		1214
1215	Eridani	7-8	3	87°09	4	5	2	10.220	+ 2.8721	+ 0.0041		1215

1176. The magnitude assigned to this star in Lalande's Catalogue is 7, but it is stated by the Observers at Oxford to be of a less magnitude than Lalande 9405 which followed 10°, and was about 6' south.

1178. The limits of magnitude are 3.0 and 4.5. 1180. Hind's crimson variable: the limits of magnitude are 6 and 8.5: the period is 436^d.

1195. Double: companion of about the 10-9 magnitude.

1198. A star of the 9 magnitude precedes 2°, and is north.

1211. Red star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1171	91°06	3	93 54 12°53	—5°783	+0°419								1171
1172	87°01	3	106 56 59°47	—5°758	+0°377								1172
1173	92°01	6	112 11 20°86	—5°746	+0°359				9394				1173
1174	89°99	3	92 18 17°59	—5°733	+0°425				9375	1138			1174
1175	86°06	6	29 43 10°31	—5°726	+0°746	+0°014	681	244	9263			813	1175
1176	90°98	3	103 7 31°87	—5°708	+0°390				9402	1145			1176
1177	90°23	3	107 58 32°26	—5°707	+0°374			268	9406				1177
1178	88°75	3	46 20 25°01	—5°688	+0°603	+0°014	690	256	9337				1178
1179	82°06	3	106 32 52°32	—5°687	+0°379				9420			814	1179
1180	88°43	5	104 58 20°76	—5°645	+0°384							817	1180
1181	89°53	3	100 25 29°11	—5°642	+0°399	+0°121	697	271	9429	1173	2170	818	1181
1182	86°80	3	102 41 59°98	—5°627	+0°392	+0°095	699	272	9435	1180	2172	821	1182
1183	88°92	3	92 13 47°71	—5°602	+0°426				9434	1181			1183
1184	85°39	3	95 53 0°34	—5°582	+0°414	+1°100				1189			1184
1185	91°00	3	65 40 11°52	—5°553	+0°514								1185
1186	87°11	3	90 51 29°87	—5°543	+0°430				9457				1186
1187	90°09	3	101 22 13°62	—5°537	+0°397				9467	1206			1187
1188	84°45	3	97 20 8°10	—5°519	+0°410	—0°021	701	280	9476	1214	2182	822	1188
1189	90°07	3	95 39 37°61	—5°476	+0°416				9485	1226			1189
1190	90°81	3	101 5 41°48	—5°476	+0°398				9491	1230			1190
1191	89°72	3	110 12 44°82	—5°473	+0°367			285	9506		2190	825	1191
1192	89°75	3	65 40 41°54	—5°471	+0°515								1192
1193	85°13	3	94 22 6°17	—5°418	+0°420				9508	1238			1193
1194	88°40	3	116 25 53°95	—5°386	+0°344			289	9542		2197	827	1194
1195	90°33	3	98 49 12°89	—5°379	+0°406				9528	1249			1195
1196	88°39	4	38 32 58°10	—5°353	+0°661	+0°166	696	273	9449				1196
1197	87°38	3	112 57 10°46	—5°351	+0°357	—0°039	704	290	9552		2202		1197
1198	87°40	3	92 41 47°73	—5°343	+0°426				9535	1259			1198
1199	85°79	7	48 54 54°43	—5°291	+0°593	+0°061	700	283	9500			828	1199
1200	90°06	3	104 31 31°07	—5°287	+0°388				9571	1283			1200
1201	90°46	3	96 11 8°06	—5°282	+0°415				9558	1277			1201
1202	86°78	3	104 42 40°09	—5°282	+0°387				9573	1284			1202
1203	90°02	3	114 32 27°73	—5°246	+0°352						2211	832	1203
1204	82°10	3	93 11 32°93	—5°241	+0°425				9579			831	1204
1205	92°01	3	108 2 17°91	—5°211	+0°376				9603				1205
1206	92°04	3	111 22 22°13	—5°192	+0°364				9620				1206
1207	86°44	3	110 24 2°14	—5°185	+0°367				9622				1207
1208	83°47	12	112 31 8°79	—5°123	+0°360	+0°068	713	303	9647		2225	834	1208
1209	84°11	4	71 30 11°07	—5°110	+0°497	—0°022	705	293	9599			833	1209
1210	91°78	3	100 34 12°62	—5°106	+0°402				9634	1340			1210
1211	89°73	3	94 38 35°63	—5°082	+0°421				9636				1211
1212	90°59	3	94 48 11°43	—5°079	+0°420	+0°015	712	302	9639	1345	2228	837	1212
1213	92°98	3	104 50 43°84	—5°075	+0°387					1355			1213
1214	87°12	3	103 16 15°79	—5°060	+0°393				9659	1361			1214
1215	87°09	4	98 47 58°27	—5°007	+0°408				9667	1374			1215

1175, 1178, 1182, 1196, 1197, 1199, 1208, are respectively 1367, 1372, 1381, 1391, 1400, 1396, 1408 of the Radcliffe Catalogue, 1845.
 1178, 1180, 1181, 1182, 1196, 1197, 1208, 1209, are respectively 560, 564, 563, 565, 569, 572, 574, 573 of the Radcliffe Catalogue, 1860.
 1184. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.				Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
									h.	m.	s.	s.	s.	s.	
1216	Leporis	...	...	...	7-6	...	90°44	3	5	2	15.105	+ 2.6657	+ 0.0035	- 0.0030	1216
1217	Leporis	...	...	...	6-7	...	89°43	3	5	2	17.665	+ 2.7823	+ 0.0038		1217
1218	Leporis	...	...	...	7-6	...	90°43	3	5	2	22.406	+ 2.6128	+ 0.0034	0.0000	1218
1219	67 Eridani	...	...	β	3*	...	87°15	3	5	2	26.467	+ 2.9540	+ 0.0044	- 0.0066	1219
1220	Leporis	...	...	...	7-6	3	85°11	3	5	2	44.003	+ 2.7798	+ 0.0038		1220
1221	Leporis	...	...	...	7-6	...	91°15	3	5	2	48.838	+ 2.6657	+ 0.0035		1221
1222	Eridani	...	...	...	6	1	89°39	3	5	3	4.128	+ 2.8717	+ 0.0041	- 0.0013	1222
1223	Leporis	...	...	...	6-7	1	86°39	3	5	3	13.871	+ 2.7194	+ 0.0035		1223
1224	68 Eridani	...	...	...	5-6	3	87°85	3	5	3	16.527	+ 2.9682	+ 0.0044	- 0.0010	1224
1225	Eridani	...	...	...	9-8	2	91°74	3	5	3	38.124	+ 2.9062	+ 0.0041		1225
1226	69 Eridani	...	...	λ	4*	...	88°12	3	5	3	52.923	+ 2.8695	+ 0.0040	- 0.0002	1226
1227	Orionis	...	...	...	7-6	2	84°79	3	5	3	57.188	+ 3.0209	+ 0.0047		1227
1228	Camelopardali	...	...	...	5	1	91°09	3	5	4	26.037	+ 2.8134	+ 0.2028	- 0.0365	1228
1229	Orionis	...	...	...	6-7	3	83°12	3	5	4	26.779	+ 3.0566	+ 0.0048		1229
1230	Leporis	...	...	...	7	1	91°65	3	5	4	48.445	+ 2.5145	+ 0.0032		1230
1231	Orionis	...	...	...	7-6	2	86°03	2	5	5	25.187	+ 3.0183	+ 0.0046		1231
1232	Leporis	...	...	...	8	2	91°68	3	5	5	43.457	+ 2.6301	+ 0.0034		1232
1233	Orionis	...	...	...	6-7	3	85°08	3	5	5	46.959	+ 3.0129	+ 0.0046		1233
1234	Leporis	...	...	...	8	1	91°74	3	5	5	59.786	+ 2.5765	+ 0.0033		1234
1235	Leporis	...	...	...	6	3	82°15	3	5	6	14.806	+ 2.7964	+ 0.0038	+ 0.0003	1235
1236	Leporis	...	...	...	8-7	1	92°38	3	5	6	37.374	+ 2.4801	+ 0.0031		1236
1237	3 Leporis	...	...	ι	5	3	82°11	3	5	7	9.901	+ 2.7958	+ 0.0037	+ 0.0002	1237
1238	Orionis	...	...	...	6	1	87°69	3	5	7	25.368	+ 2.9313	+ 0.0041		1238
1239	Leporis	...	...	...	7-8	4	88°87	3	5	7	36.207	+ 2.7215	+ 0.0035		1239
1240	5 Leporis	...	...	μ	3-4	2	87°07	3	5	7	59.296	+ 2.6907	+ 0.0034	+ 0.0001	1240
1241	4 Leporis	...	...	κ	4-5*	...	88°72	3	5	8	8.934	+ 2.7700	+ 0.0036	- 0.0023	1241
1242	Orionis	...	...	...	8-7	...	91°33	3	5	8	10.287	+ 2.9871	+ 0.0044		1242
1243	Orionis	...	...	...	7-6	1	86°80	3	5	8	15.951	+ 2.8829	+ 0.0040	- 0.0018	1243
1244	13 Aurigæ	...	...	α	1	1	82°26	8	5	8	33.694	+ 4.4167	+ 0.0170	+ 0.0079	1244
1245	Leporis	...	...	...	6-7	3	83°11	3	5	8	59.380	+ 2.7296	+ 0.0035		1245
1246	Orionis	...	...	...	7	...	90°13	3	5	9	0.357	+ 3.0568	+ 0.0046		1246
1247	Orionis	...	...	...	8	1	91°77	3	5	9	14.811	+ 2.8815	+ 0.0039		1247
1248	19 Orionis	...	...	β	1*	...	86°84	36	5	9	15.033	+ 2.8816	+ 0.0039	- 0.0012	1248
1249	Leporis	...	...	...	8-7	1	91°74	3	5	9	16.305	+ 2.8297	+ 0.0038		1249
1250	Orionis	...	...	...	7	2	90°97	3	5	9	21.277	+ 2.9078	+ 0.0039		1250
1251	Leporis	...	...	...	8-7	1	92°05	3	5	9	23.418	+ 2.5513	+ 0.0031		1251
1252	Orionis	...	...	...	7-6	2	86°09	3	5	9	44.479	+ 3.0375	+ 0.0045		1252
1253	Orionis	...	...	...	7	1	91°76	3	5	10	18.764	+ 2.9600	+ 0.0042		1253
1254	Leporis	...	...	...	8	1	91°65	3	5	10	36.083	+ 2.6181	+ 0.0032		1254
1255	Leporis	...	...	...	7-6	5	86°83	4	5	11	1.585	+ 2.8073	+ 0.0036		1255
1256	Leporis	...	...	...	7-8	1	89°76	3	5	11	6.850	+ 2.5174	+ 0.0031		1256
1257	Leporis	...	...	...	8-7	4	87°76	3	5	11	22.849	+ 2.8093	+ 0.0036		1257
1258	15 Aurigæ	...	...	λ	5-4	1	89°36	3	5	11	24.235	+ 4.1691	+ 0.0132	+ 0.0447	1258
1259	Leporis	...	...	...	7-6	3	82°38	3	5	11	54.763	+ 2.6662	+ 0.0033		1259
1260	20 Orionis	...	...	τ	4	2	84°73	3	5	12	15.911	+ 2.9128	+ 0.0039	- 0.0024	1260

1225. The magnitude 7.5 is assigned to this star in Schönfeld.

1228. A star of the 9 magnitude, of nearly the same R. A., follows, and is north.

1244. This star in the Harvard Photometry is brighter by 0.8 than the unit magnitude.

1248. This star in the Harvard Photometry is brighter by 0.7 than the unit magnitude.

1250. Reddish. A companion star of the 9-8 magnitude precedes, and is north.

1226. Green star: (Smyth's No. 2 green).

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1216	90°44	3	107 26 29.29	-5.000	+0.379	+0.160			9689				1216
1217	89°43	3	102 38 2.62	-4.996	+0.395				9683	1379		839	1217
1218	90°43	3	109 32 47.03	-4.990	+0.371	-0.275			9698				1218
1219	87°15	3	95 13 45.91	-4.984	+0.419	+0.065	715	312	9672		2234	840	1219
1220	85°11	3	102 44 3.92	-4.959	+0.395				9702	1394			1220
1221	91°15	3	107 25 53.80	-4.952	+0.379				9709				1221
1222	89°39	3	98 48 30.47	-4.930	+0.408	+0.040	718		9706	1399	2240		1222
1223	86°39	3	105 14 21.45	-4.916	+0.387				9725				1223
1224	87°85	3	94 35 58.59	-4.912	+0.422	-0.033	717	316	9710		2242		1224
1225	91°74	3	97 18 30.23	-4.882	+0.413								1225
1226	88°12	3	98 53 44.70	-4.861	+0.408	-0.001	720	323	9734	21	2248	847	1226
1227	84°79	3	92 16 35.06	-4.856	+0.430				9733	19			1227
1228	84°00	9	10 53 50.16	-4.814	+1.391	-0.141		269	9407			845	1228
1229	83°12	3	90 42 11.47	-4.813	+0.435				9744	27			1229
1230	91°65	3	113 15 30.69	-4.783	+0.358								1230
1231	86°03	3	92 23 12.00	-4.731	+0.430				9759	50			1231
1232	91°68	3	108 48 0.65	-4.705	+0.375								1232
1233	85°08	3	92 37 38.26	-4.700	+0.429				9764	57		852	1233
1234	91°74	3	110 53 6.49	-4.681	+0.367								1234
1235	82°15	3	101 59 11.21	-4.660	+0.399	-0.084	724	7	9785	78	2263	853	1235
1236	92°38	3	114 29 5.76	-4.629	+0.354								1236
1237	82°11	3	102 0 6.05	-4.582	+0.399	+0.002	727	11	9795	102	2275	855	1237
1238	87°69	3	96 11 18.50	-4.561	+0.418				9796				1238
1239	88°87	3	105 5 4.77	-4.545	+0.389				9807	120			1239
1240	87°07	3	106 20 10.32	-4.512	+0.384	+0.016	732	16	9813		2282	858	1240
1241	88°72	3	103 4 19.13	-4.498	+0.396	+0.008	730	17	9816		2283		1241
1242	91°33	3	93 45 8.04	-4.497	+0.426								1242
1243	86°80	3	98 16 41.75	-4.488	+0.412	-0.010	729	15	9814	136	2284	862	1243
1244	81°56	10	44 6 52.68	-4.462	+0.630	+0.424	722	6	9775		2285	863	1244
1245	83°11	3	104 44 8.28	-4.427	+0.390				9832	161			1245
1246	90°13	3	90 41 25.94	-4.426	+0.437				9821	148			1246
1247	88°47	3	98 19 54.01	-4.404	+0.412							864	1247
1248	82°81	7	98 19 44.77	-4.404	+0.412	-0.005	736	18	9834	163	2292	865	1248
1249	91°74	3	100 32 41.34	-4.403	+0.405								1249
1250	90°97	3	97 11 54.42	-4.396	+0.416					165			1250
1251	92°05	3	111 46 43.34	-4.393	+0.365				9853				1251
1252	86°09	3	91 32 10.77	-4.363	+0.434					169		868	1252
1253	91°76	3	94 55 21.45	-4.313	+0.423								1253
1254	91°65	3	109 11 3.09	-4.289	+0.375				9889				1254
1255	86°83	4	101 28 32.93	-4.252	+0.402				9886	208			1255
1256	89°76	3	113 1 4.95	-4.245	+0.361				9912		2309		1256
1257	87°76	3	101 23 5.59	-4.222	+0.402					215			1257
1258	87°58	4	49 59 58.45	-4.221	+0.596	+0.656	731	22	9844			872	1258
1259	82°38	3	107 15 48.37	-4.176	+0.382				9926				1259
1260	84°73	3	96 57 49.44	-4.147	+0.417	+0.003	742	40	9921	228	2319	875	1260

1226, 1228, 1240, 1244, 1248, 1258, 1260, are respectively 1421, 1402, 1437, 1433, 1440, 1445, 1450 of the Radcliffe Catalogue, 1845.
 1219, 1226, 1228, 1240, 1244, 1248, 1258, 1260, are respectively 577, 579, 575, 583, 582, 586, 588, 589 of the Radcliffe Catalogue, 1860.
 1216, 1218. The Proper Motions have been determined in the formation of the present Catalogue.
 1228. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.				Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
									h.	m.	s.	s.	s.	s.	
1261	Leporis	...	...	...	7	3	83.12	3	5	12	30.554	+ 2.6501	+ 0.0033		1261
1262	Leporis	...	...	...	7-8	1	86.66	3	5	12	36.784	+ 2.7136	+ 0.0033		1262
1263	Leporis	...	...	...	6	2	85.15	3	5	12	37.014	+ 2.7551	+ 0.0035	- 0.0010	1263
1264	Orionis	...	...	...	7-8	2	89.16	3	5	13	1.801	+ 2.9401	+ 0.0039		1264
1265	Leporis	...	...	...	6-7	1	87.37	3	5	13	56.772	+ 2.6406	+ 0.0032	+ 0.0250	1265
1266	Orionis	...	...	...	7-6	1	84.78	3	5	14	0.967	+ 3.0376	+ 0.0042		1266
1267	Orionis	...	...	...	8	1	91.06	3	5	14	21.193	+ 2.8458	+ 0.0037		1267
1268	Leporis	...	...	...	7-6	2	86.78	3	5	14	27.806	+ 2.6306	+ 0.0032		1268
1269	Leporis	...	...	...	7-6	2	86.71	3	5	14	28.680	+ 2.6309	+ 0.0032		1269
1270	6 Leporis	...	...	λ	4-5*	...	85.75	3	5	14	30.415	+ 2.7629	+ 0.0034	- 0.0014	1270
1271	Orionis	...	...	...	7-8	2	88.68	3	5	14	38.481	+ 2.9504	+ 0.0039		1271
1272	7 Leporis	...	...	ν	6-5	2	83.11	3	5	14	52.705	+ 2.7836	+ 0.0034	- 0.0019	1272
1273	Orionis	...	...	...	7	1	87.11	3	5	15	2.134	+ 2.9467	+ 0.0039		1273
1274	Leporis	...	...	...	5-6	1	85.12	3	5	15	45.055	+ 2.5596	+ 0.0030		1274
1275	Orionis	...	...	...	7-6	...	89.48	4	5	15	55.075	+ 3.0605	+ 0.0042	- 0.0004	1275
1276	22 Orionis	...	...	θ	5*	...	90.33	4	5	16	8.751	+ 3.0612	+ 0.0043	- 0.0009	1276
1277	Leporis	...	...	...	8-7	...	91.47	3	5	16	19.375	+ 2.7143	+ 0.0032		1277
1278	Orionis	...	...	...	8	...	91.47	3	5	16	27.865	+ 3.0020	+ 0.0040		1278
1279	Leporis	...	...	...	7-8	2	87.45	3	5	16	48.466	+ 2.7484	+ 0.0033		1279
1280	Orionis	...	...	...	7-6	1	90.11	3	5	17	2.397	+ 2.8698	+ 0.0036		1280
1281	Leporis	...	...	...	7-6	4	83.15	4	5	17	3.234	+ 2.6530	+ 0.0032		1281
1282	Leporis	...	...	...	6-7	...	90.08	3	5	17	15.178	+ 2.4633	+ 0.0029		1282
1283	Leporis	...	...	...	8	2	91.35	3	5	17	49.576	+ 2.5945	+ 0.0030		1283
1284	111 Tauri	...	...	...	6-5*	...	88.44	3	5	18	0.290	+ 3.4814	+ 0.0062	+ 0.0157	1284
1285	Orionis	...	...	...	7-6	2	89.79	3	5	18	1.989	+ 2.8756	+ 0.0036		1285
1286	Orionis	...	...	...	6-7	2	84.76	3	5	18	4.757	+ 3.0664	+ 0.0042		1286
1287	Orionis	...	...	...	8-7	1	87.59	2	5	18	15.531	+ 3.0502	+ 0.0041	- 0.0060	1287
1288	Orionis	...	...	...	7-6	2	87.03	2	5	18	15.591	+ 3.0502	+ 0.0041	- 0.0060	1288
1289	8 Leporis	...	...	...	6*	...	89.43	3	5	18	28.045	+ 2.7439	+ 0.0032	- 0.0030	1289
1290	29 Orionis	...	...	e	5-4	1	84.43	3	5	18	38.863	+ 2.8898	+ 0.0036	- 0.0011	1290
1291	27 Orionis	...	...	p	6-5	1	85.79	3	5	18	53.376	+ 3.0496	+ 0.0041	- 0.0014	1291
1292	Orionis	...	...	...	8-9	1	91.78	3	5	18	55.642	+ 2.9131	+ 0.0036		1292
1293	28 Orionis	...	...	η	3-4*	...	87.06	3	5	18	56.755	+ 3.0151	+ 0.0040	- 0.0015	1293
1294	Leporis	...	...	...	8-7	1	92.03	3	5	18	59.581	+ 2.5300	+ 0.0030		1294
1295	112 Tauri	...	...	β	2*	...	87.45	23	5	19	20.305	+ 3.7874	+ 0.0080	+ 0.0013	1295
1296	Leporis	...	...	...	6-7	2	83.09	3	5	19	34.528	+ 2.6682	+ 0.0032		1296
1297	Orionis	...	...	...	6	1	88.75	3	5	19	50.211	+ 2.8302	+ 0.0034		1297
1298	Leporis	...	...	...	7	2	90.66	3	5	20	12.978	+ 2.6069	+ 0.0031		1298
1299	Leporis	...	...	...	7	1	90.80	3	5	20	14.523	+ 2.7769	+ 0.0033		1299
1300	Orionis	...	...	...	7-8	1	91.45	3	5	20	27.129	+ 2.8485	+ 0.0035		1300
1301	Orionis	...	...	...	7-6	2	86.40	3	5	20	38.415	+ 2.9430	+ 0.0036		1301
1302	114 Tauri	...	...	θ	6*	...	89.96	3	5	21	1.755	+ 3.6006	+ 0.0066	- 0.0011	1302
1303	30 Orionis	...	...	ψ^2	5*	...	81.13	2	5	21	4.446	+ 3.1415	+ 0.0043	- 0.0010	1303
1304	Leporis	...	...	...	8	2	93.08	3	5	21	12.468	+ 2.5985	+ 0.0030		1304
1305	Leporis	...	...	...	7-6	2	86.74	3	5	21	13.751	+ 2.5983	+ 0.0030		1305

1262. A star of the 9-10 magnitude (Lalande 9949) precedes 1^s, and is about 10" north.

1267. A fainter star (Schönfeld, -9°, 1124) precedes 16^s, and is about 4' south.

1285. Double: the companion is of the 9-8 magnitude, and follows south.

1287, 1288. A very close double star: the components are both of the 8-7 magnitude: 1287 gives the position of the north star, and 1288 of the common mass.

1297. Yellowish-red star.

1282. Close double: the companion is south, and follows.

1301. A star of 9 magnitude follows 3^s, and is north.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
1261	83.12	3	107 53 40.69	-4.125	+0.380								1261
1262	86.66	3	105 20 20.50	-4.116	+0.389				9950				1262
1263	85.15	3	103 38 14.76	-4.116	+0.395	+0.032	743		9946	244	2322	878	1263
1264	89.16	3	95 46 32.44	-4.081	+0.422				9951				1264
1265	87.32	4	108 14 53.58	-4.002	+0.379	0.000			9986			880	1265
1266	84.78	3	91 31 35.26	-3.997	+0.436				9972	261		881	1266
1267	91.06	3	99 48 54.69	-3.968	+0.409								1267
1268	86.78	3	108 38 5.75	-3.958	+0.378				10020				1268
1269	86.81	4	108 37 27.42	-3.958	+0.378				10021				1269
1270	85.75	3	103 17 26.85	-3.955	+0.397	+0.004	748	52	10009		2343	883	1270
1271	88.68	3	95 19 17.54	-3.944	+0.424				10000	283			1271
1272	83.11	3	102 25 43.77	-3.922	+0.400	-0.024	749	54	10024		2345		1272
1273	87.11	3	95 28 48.08	-3.909	+0.423				10023	296			1273
1274	85.12	3	111 21 3.33	-3.848	+0.368				10063			885	1274
1275	89.48	4	90 31 33.46	-3.833	+0.440	-0.016	750	58	10042	315	2351	886	1275
1276	90.42	3	90 29 29.82	-3.813	+0.440	-0.009	751	60	10051	322	2352	887	1276
1277	91.47	3	105 15 39.52	-3.799	+0.390				10083				1277
1278	91.47	3	93 4 19.40	-3.786	+0.432				10068	334			1278
1279	87.45	3	103 51 51.04	-3.758	+0.395				10095	347			1279
1280	90.11	3	98 46 23.65	-3.737	+0.413					350			1280
1281	83.15	4	107 42 40.69	-3.736	+0.382				10104				1281
1282	90.08	3	114 52 49.28	-3.719	+0.355			70			2362		1282
1283	91.35	3	109 59 3.37	-3.669	+0.374				10126				1283
1284	88.44	3	72 43 9.17	-3.654	+0.501	-0.006	754	66	10097			892	1284
1285	89.79	3	98 31 11.56	-3.652	+0.414				10125	367		893	1285
1286	84.76	3	90 15 50.21	-3.647	+0.441				10111				1286
1287	87.59	2	90 58 12.38	-3.631	+0.439	+0.020							1287
1288	87.03	2	90 58 13.29	-3.631	+0.439	+0.020	757		10124	369	2367		1288
1289	89.43	3	104 1 52.13	-3.614	+0.395	-0.006	766	77	10144	387	2372	894	1289
1290	84.43	3	97 54 34.91	-3.598	+0.416	+0.025	764	75	10139		2373	895	1290
1291	85.79	3	90 59 49.86	-3.578	+0.439	-0.136	762	76	10138	390	2377		1291
1292	91.78	3	96 54 39.34	-3.574	+0.420					394			1292
1293	87.06	3	92 29 56.52	-3.573	+0.434	-0.010	765	81	10152		2378	896	1293
1294	92.03	3	112 24 36.23	-3.568	+0.365				10169				1294
1295	82.13	27	61 29 9.66	-3.540	+0.545	+0.180	756	72	10114		2382	898	1295
1296	83.09	3	107 4 33.94	-3.518	+0.385				10182			900	1296
1297	88.75	3	100 25 41.33	-3.497	+0.408				10184	413		901	1297
1298	90.66	3	109 28 23.69	-3.464	+0.376				10206				1298
1299	90.80	3	102 39 7.95	-3.461	+0.400					432			1299
1300	91.45	3	99 39 1.93	-3.443	+0.411				10200	436			1300
1301	86.40	3	95 36 58.38	-3.428	+0.424				10203	438			1301
1302	89.96	3	68 9 27.90	-3.393	+0.519	-0.006	768	88	10185			902	1302
1303	81.13	2	87 0 1.25	-3.390	+0.453	+0.006	773	91	10212		2402		1303
1304	90.76	3	109 47 9.62	-3.378	+0.375				10253			903	1304
1305	86.74	3	109 47 29.28	-3.376	+0.375				10254			904	1305

1290, 1293, 1295, 1302, 1303, are respectively 1468, 1472, 1469, 1481, 1483 of the Radcliffe Catalogue, 1845.

1282, 1284, 1288, 1290, 1291, 1293, 1295, 1302, 1303, are respectively 593, 594, 595, 596, 597, 598, 599, 604, 605 of the Radcliffe Catalogue, 1860.

1265. The Proper Motions have been determined in the formation of the present Catalogue.

1303. The N.P.D. of this star in the Radcliffe Catalogue, 1845, is about 50" too small.

No.	Constellation.			Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
								h.	m.	s.				
1306	Orionis	...	...	7-8	...	89.40	3	5	21	27.168	+ 3.0160	+ 0.0038		1306
1307	Leporis	...	...	7-6	3	83.14	4	5	21	57.300	+ 2.7924	+ 0.0032		1307
1308	Leporis	...	...	7-8	1	92.01	3	5	22	15.252	+ 2.6790	+ 0.0030		1308
1309	Orionis	...	...	8-9	2	92.38	3	5	22	26.116	+ 2.8772	+ 0.0034		1309
1310	Leporis	...	...	8-7	1	87.13	3	5	22	29.179	+ 2.7518	+ 0.0031		1310
1311	Orionis	...	...	7-8	1	87.17	3	5	22	47.897	+ 3.0709	+ 0.0040		1311
1312	Leporis	...	...	7-6	1	83.45	3	5	22	55.320	+ 2.5536	+ 0.0029		1312
1313	Leporis	...	...	8-7	1	92.07	3	5	23	6.228	+ 2.6413	+ 0.0031		1313
1314	Orionis	...	...	S	Var.	91.76	3	5	23	7.261	+ 2.9620	+ 0.0036		1314
1315	Orionis	...	...	7-8	2	89.77	3	5	23	27.432	+ 2.9941	+ 0.0036		1315
1316	9 Leporis	...	...	β	3-4*	85.45	3	5	23	31.799	+ 2.5698	+ 0.0029	- 0.0015	1316
1317	Leporis	...	...	7	1	90.03	3	5	23	44.156	+ 2.5249	+ 0.0029		1317
1318	Orionis	...	...	6	1	85.15	3	5	23	54.748	+ 2.9909	+ 0.0036		1318
1319	Orionis	...	...	7	3	84.45	3	5	24	6.052	+ 2.9022	+ 0.0034		1319
1320	31 Orionis	...	...	5*	...	87.95	3	5	24	8.769	+ 3.0453	+ 0.0038	- 0.0017	1320
1321	Aurigæ Nova	...	...	Var.	...	92.12	4	5	24	55.601	+ 3.8465	+ 0.0074		1321
1322	Aurigæ	...	...	10-11	8	92.58	4	5	24	58.928	+ 3.8472	+ 0.0074		1322
1323	Camelopardali	...	...	5	...	91.11	3	5	25	0.893	+ 7.9931	+ 0.0728	+ 0.0004	1323
1324	Orionis	...	...	7-6	4	84.81	3	5	25	1.807	+ 2.8981	+ 0.0034		1324
1325	Leporis	...	...	8	2	91.13	3	5	25	2.644	+ 2.5169	+ 0.0028		1325
1326	Leporis	...	...	8-9	2	91.78	3	5	25	8.149	+ 2.7711	+ 0.0031		1326
1327	119 Tauri	...	...	6-5*	...	87.78	3	5	25	45.791	+ 3.5151	+ 0.0055	- 0.0003	1327
1328	Orionis	...	...	7	1	90.70	3	5	25	46.649	+ 2.8357	+ 0.0033	+ 0.0070	1328
1329	Orionis	...	...	7-6	...	90.16	3	5	26	0.001	+ 2.9150	+ 0.0033		1329
1330	Orionis	...	...	7	1	88.48	3	5	26	13.938	+ 2.9963	+ 0.0036		1330
1331	34 Orionis	...	...	δ	3-2	85.94	29	5	26	23.182	+ 3.0637	+ 0.0038	- 0.0014	1331
1332	10 Leporis	...	...	6	...	91.62	4	5	26	25.057	+ 2.5663	+ 0.0029	- 0.0011	1332
1333	36 Orionis	...	...	ν	5-6	86.31	4	5	26	36.575	+ 2.9011	+ 0.0034	- 0.0002	1333
1334	Leporis	...	...	8-9	2	92.41	3	5	26	42.195	+ 2.7110	+ 0.0030		1334
1335	Orionis	...	...	6-7	3	88.10	3	5	26	59.882	+ 3.0709	+ 0.0037		1335
1336	Leporis	...	...	7-8	2	89.69	3	5	27	1.267	+ 2.6743	+ 0.0029		1336
1337	Orionis	...	...	6	2	87.04	3	5	27	7.486	+ 3.0339	+ 0.0036		1337
1338	Leporis	...	...	7-6	1	91.29	3	5	27	46.441	+ 2.6829	+ 0.0029		1338
1339	11 Leporis	...	...	α	3-2	86.81	18	5	27	52.655	+ 2.6449	+ 0.0029	- 0.0011	1339
1340	Orionis	...	...	6-7	1	86.49	3	5	27	56.485	+ 3.0440	+ 0.0036		1340
1341	Orionis	...	...	7-8	...	91.14	3	5	28	28.634	+ 3.0468	+ 0.0036		1341
1342	Orionis	...	...	7-6	...	91.46	3	5	28	29.908	+ 3.0368	+ 0.0036		1342
1343	Orionis	...	...	7	...	90.68	3	5	28	42.648	+ 2.9076	+ 0.0032		1343
1344	Orionis	...	...	7	3	86.43	3	5	28	51.456	+ 3.0705	+ 0.0036		1344
1345	Leporis	...	...	8	2	92.08	3	5	28	58.248	+ 2.4713	+ 0.0027		1345
1346	Orionis	...	...	7	1	91.77	3	5	28	58.295	+ 2.9594	+ 0.0034		1346
1347	Orionis	...	...	7-8	3	91.09	3	5	29	17.777	+ 2.8251	+ 0.0031		1347
1348	Orionis	...	...	7	1	91.73	3	5	29	26.531	+ 2.9756	+ 0.0033		1348
1349	Leporis	...	...	7	1	91.15	3	5	29	27.578	+ 2.6192	+ 0.0028		1349
1350	Orionis	...	...	7-6	1	91.08	3	5	29	28.415	+ 2.9034	+ 0.0032		1350

1314. The limits of magnitude are 8.3 and 13.0: the period is 412 days.

1321. The estimated magnitudes in 1892 varied from 4-5 to below 14: but in 1893 the estimations were all about 10-9.

1329. The R. A. of this star in Weisse's Bessel is about 30° too great.

1335. Yellowish-red star.

1320. Yellowish-red star.

1330. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1306	89°40	3	92 27 21.26	− 3'357	+ 0.435			97	10230	468	2406		1306
1307	83°14	4	101 59 37.06	− 3'314	+ 0.403			102	10269	485	2410		1307
1308	92°01	3	106 36 50.69	− 3'288	+ 0.387								1308
1309	92°38	3	98 25 12.81	− 3'272	+ 0.415			104	10279	498			1309
1310	87°13	3	103 39 53.86	− 3'268	+ 0.397				10283	503			1310
1311	87°17	3	90 4 15.26	− 3'241	+ 0.443				10288				1311
1312	83°45	3	111 28 10.06	− 3'231	+ 0.369				10313				1312
1313	92°07	3	108 5 45.35	− 3'215	+ 0.382				10315				1313
1314	91°76	3	94 47 15.64	− 3'213	+ 0.428								1314
1315	89°77	3	93 23 49.85	− 3'185	+ 0.433				10308	520			1315
1316	85°45	3	110 50 51.62	− 3'177	+ 0.371	+ 0.079	781	113	10331		2428	910	1316
1317	90°03	3	112 31 43.89	− 3'160	+ 0.365								1317
1318	85°15	3	93 32 6.04	− 3'144	+ 0.432				10325	535		911	1318
1319	84°45	3	97 20 56.37	− 3'128	+ 0.419				10338	540			1319
1320	87°95	3	91 10 46.19	− 3'124	+ 0.440	+ 0.017	779	112	10330	538	2436		1320
1321	92°12	4	59 38 17.70	− 3'056	+ 0.556								1321
1322	92°63	4	59 37 5.15	− 3'052	+ 0.556								1322
1323	82°10	6	15 1 50.72	− 3'049	+ 1.154	+ 0.024						913	1323
1324	84°81	3	97 31 15.42	− 3'048	+ 0.419				10373	564			1324
1325	91°13	3	112 48 19.14	− 3'046	+ 0.364				10391				1325
1326	91°78	3	102 50 55.82	− 3'039	+ 0.401				10384	572			1326
1327	87°78	3	71 29 17.66	− 2'984	+ 0.508	+ 0.002	783	119	10367			916	1327
1328	90°70	3	100 9 20.60	− 2'983	+ 0.410	+ 0.330			10394	596			1328
1329	90°16	3	96 47 30.46	− 2'964	+ 0.422				10396	609			1329
1330	88°48	3	93 17 57.06	− 2'944	+ 0.434				10400	601			1330
1331	82°44	6	90 22 51.99	− 2'931	+ 0.443	+ 0.005	787	126	10404	604	2454	918	1331
1332	91°15	3	110 56 44.19	− 2'928	+ 0.372	+ 0.040	791	133	10435		2455	919	1332
1333	86°31	4	97 22 59.32	− 2'911	+ 0.420	+ 0.006	789	130	10424	612	2458		1333
1334	92°41	3	105 17 9.53	− 2'903	+ 0.393				10439				1334
1335	88°10	3	90 4 4.88	− 2'878	+ 0.444				10426	615			1335
1336	89°69	3	106 45 2.81	− 2'876	+ 0.387								1336
1337	87°04	3	91 40 19.48	− 2'867	+ 0.439				10437	619		921	1337
1338	91°29	3	106 23 58.93	− 2'811	+ 0.389				10468				1338
1339	89°32	3	107 54 5.56	− 2'801	+ 0.383	− 0.010	796	139	10476		2466	925	1339
1340	86°49	3	91 14 2.57	− 2'797	+ 0.441				10456				1340
1341	91°14	3	91 6 43.64	− 2'749	+ 0.441				10479				1341
1342	91°46	3	91 32 46.40	− 2'748	+ 0.440				10483				1342
1343	90°68	3	97 5 55.87	− 2'729	+ 0.421				10499				1343
1344	86°43	3	90 5 15.26	− 2'717	+ 0.445				10496	658			1344
1345	92°08	3	114 24 33.94	− 2'707	+ 0.358								1345
1346	91°77	3	94 52 47.96	− 2'707	+ 0.429			144	10506	670	2476		1346
1347	91°09	3	100 34 33.85	− 2'678	+ 0.410				10518	686			1347
1348	91°73	3	94 11 4.61	− 2'665	+ 0.431								1348
1349	91°15	3	108 53 13.00	− 2'664	+ 0.380				10541				1349
1350	91°08	3	97 16 27.50	− 2'664	+ 0.421				10519	688			1350

1323, 1331, 1333, are respectively 1485, 1505, 1507 of the Radcliffe Catalogue, 1845.
1307, 1323, 1331, 1333, 1339, are respectively 606, 608, 614, 615, 616 of the Radcliffe Catalogue, 1860.
1323. The Proper Motions have been taken from Auwers' "Catalog der Fundamental-Sterne."
1328. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
1351	Orionis	7-6	2	85.43	3	5	29	38.364	+ 2.9313	+ 0.0032		1351
1352	Orionis	6	2	85.43	3	5	29	39.991	+ 2.9315	+ 0.0032		1352
1353	41 Orionis θ^1	6-7	2	85.94	3	5	29	52.171	+ 2.9457	+ 0.0032	- 0.0020	1353
1354	Orionis	7	2	87.48	3	5	29	55.464	+ 2.9666	+ 0.0033		1354
1355	Orionis	7	2	91.38	3	5	29	55.562	+ 2.9683	+ 0.0033		1355
1356	42 Orionis c	5-6	1	83.13	3	5	29	57.491	+ 2.9586	+ 0.0033	- 0.0013	1356
1357	43 Orionis θ^2	6	1	87.11	3	5	29	58.755	+ 2.9451	+ 0.0032	- 0.0013	1357
1358	44 Orionis l	3-4	...	88.50	3	5	30	3.009	+ 2.9336	+ 0.0032	- 0.0007	1358
1359	Orionis	8-7	1	92.82	3	5	30	3.588	+ 2.9335	+ 0.0032		1359
1360	Orionis	7-8	1	87.17	3	5	30	4.273	+ 2.9697	+ 0.0033		1360
1361	Orionis	7-6	1	91.65	3	5	30	6.235	+ 2.9955	+ 0.0034		1361
1362	Orionis	8	1	92.15	3	5	30	10.996	+ 2.8692	+ 0.0031		1362
1363	45 Orionis	6-7	1	84.47	3	5	30	14.028	+ 2.9582	+ 0.0033	- 0.0003	1363
1364	Leporis	8-7	1	92.43	3	5	30	15.937	+ 2.5599	+ 0.0028		1364
1365	Leporis	7	...	91.46	3	5	30	29.688	+ 2.6971	+ 0.0029		1365
1366	46 Orionis ϵ	2-1	3	85.76	23	5	30	37.879	+ 3.0430	+ 0.0034	- 0.0018	1366
1367	Orionis	7-8	2	91.38	3	5	30	47.239	+ 2.8987	+ 0.0032		1367
1368	123 Tauri ζ	3-4*	...	82.98	3	5	31	4.255	+ 3.5836	+ 0.0053	- 0.0007	1368
1369	Orionis	7-6	...	90.74	3	5	31	13.231	+ 2.9300	+ 0.0031		1369
1370	Leporis	7	3	85.14	3	5	32	1.045	+ 2.7943	+ 0.0029		1370
1371	Orionis	7	3	87.11	3	5	32	4.553	+ 2.9329	+ 0.0031		1371
1372	Orionis	7-6	2	88.38	3	5	32	27.759	+ 2.9592	+ 0.0032		1372
1373	Leporis	9-8	2	92.07	3	5	32	55.451	+ 2.5140	+ 0.0027		1373
1374	48 Orionis σ	4-5	2	83.14	4	5	33	13.312	+ 3.0108	+ 0.0032	- 0.0018	1374
1375	Orionis	7	2	85.82	4	5	33	14.077	+ 3.0107	+ 0.0032		1375
1376	Leporis	8	2	92.03	3	5	33	15.445	+ 2.7315	+ 0.0028		1376
1377	Orionis	7-6	2	86.72	3	5	33	15.923	+ 3.0108	+ 0.0033		1377
1378	Orionis	6-7	3	83.08	3	5	33	16.919	+ 2.9180	+ 0.0030		1378
1379	Orionis	7-8	3	89.47	3	5	33	23.483	+ 2.8732	+ 0.0030		1379
1380	49 Orionis d	5-6	2	86.41	3	5	33	33.684	+ 2.9030	+ 0.0031	- 0.0033	1380
1381	Leporis	8	2	91.91	3	5	33	36.049	+ 2.7658	+ 0.0029		1381
1382	Orionis	7-6	1	84.46	3	5	34	2.354	+ 2.9883	+ 0.0032		1382
1383	Orionis	7	2	86.43	3	5	34	17.801	+ 2.8439	+ 0.0030		1383
1384	Leporis	7	1	88.10	3	5	34	25.330	+ 2.6431	+ 0.0028		1384
1385	Leporis	8-7	2	90.10	3	5	35	1.124	+ 2.5757	+ 0.0027		1385
1386	Orionis	7	2	85.76	3	5	35	6.614	+ 3.0055	+ 0.0031		1386
1387	50 Orionis ζ	3-2	1	87.14	3	5	35	12.410	+ 3.0261	+ 0.0032	- 0.0008	1387
1388	Orionis	7-8	2	90.25	3	5	35	14.145	+ 2.8924	+ 0.0030		1388
1389	Orionis	6-5	2	85.41	3	5	35	15.641	+ 3.0449	+ 0.0032		1389
1390	Orionis	7-6	...	88.77	3	5	35	26.639	+ 3.0790	+ 0.0033		1390
1391	Leporis	7-8	1	92.03	3	5	35	32.294	+ 2.4867	+ 0.0026		1391
1392	Orionis	7-6	...	89.81	3	5	35	35.083	+ 2.8269	+ 0.0029		1392
1393	Columbæ α	2*	...	82.89	5	5	35	39.797	+ 2.1713	+ 0.0028	+ 0.0050	1393
1394	Leporis	7-6	1	90.43	3	5	35	45.274	+ 2.8079	+ 0.0028		1394
1395	Leporis	7-8	...	90.44	3	5	35	55.654	+ 2.5792	+ 0.0026		1395

1353. A multiple star: the brightest star has been observed.
 1367. The N.P.D. of this star in Weisse's Bessel is 1' too great.
 1369. A companion of the 9 magnitude precedes, and is slightly north.
 1385. A companion of the 9 magnitude follows, and is south.

1358. Many stars were seen in the field.

1384. There are several faint stars in the field.
 1387. Double: the companion is of the 4-5 magnitude.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1351	85.43	3	96 4 58.03	-2.649	+0.425				10527		2483	934	1351
1352	85.43	3	96 4 31.89	-2.646	+0.425		801		10529		2484	935	1352
1353	85.94	3	95 27 46.08	-2.629	+0.427	-0.021	802	147			2488	936	1353
1354	87.48	3	94 34 2.17	-2.625	+0.430					698			1354
1355	91.38	3	94 29 50.51	-2.624	+0.430					700			1355
1356	83.60	4	94 54 39.77	-2.622	+0.429	-0.018	803	149	10540		2489	937	1356
1357	87.11	3	95 29 20.20	-2.619	+0.427	-0.021	804	150			2490	938	1357
1358	88.50	3	95 58 57.54	-2.613	+0.425	-0.007	806	151	10543		2493	940	1358
1359	91.16	3	95 59 6.18	-2.612	+0.425								1359
1360	87.17	3	94 26 12.05	-2.612	+0.431					706			1360
1361	91.65	3	93 19 30.66	-2.609	+0.434								1361
1362	92.15	3	98 43 5.72	-2.602	+0.416								1362
1363	84.15	4	94 55 42.38	-2.597	+0.429	-0.011	807	154	10555	712	2494	942	1363
1364	92.43	3	111 8 27.37	-2.594	+0.371				10573				1364
1365	91.46	3	105 48 37.29	-2.574	+0.391				10576				1365
1366	82.48	8	91 16 21.66	-2.563	+0.441	-0.006	809	160	10563		2495	944	1366
1367	91.38	3	97 28 3.27	-2.549	+0.420				10574	725			1367
1368	83.02	9	68 55 30.05	-2.525	+0.520	+0.024	800	152	10548			946	1368
1369	90.74	3	96 8 2.86	-2.512	+0.425				10590	734			1369
1370	85.14	3	101 50 32.42	-2.442	+0.406				10622	761			1370
1371	87.11	3	96 0 21.01	-2.437	+0.426				10617	756			1371
1372	88.38	3	94 52 49.24	-2.403	+0.429				10628	773			1372
1373	92.07	3	112 48 55.46	-2.364	+0.365								1373
1374	83.71	5	92 39 50.01	-2.337	+0.437	-0.009	814	172			2517	954	1374
1375	85.11	4	92 39 48.56	-2.337	+0.437			173					1375
1376	92.03	3	104 24 18.26	-2.335	+0.397				10670	803			1376
1377	85.11	4	92 39 30.00	-2.334	+0.437			174					1377
1378	83.08	3	96 38 16.17	-2.332	+0.424				10663				1378
1379	89.47	3	98 32 5.42	-2.322	+0.417				10667				1379
1380	86.41	3	97 16 28.06	-2.308	+0.422	+0.042	816	176	10675	804	2525	956	1380
1381	91.91	3	103 0 23.23	-2.305	+0.402				10680	810			1381
1382	84.46	3	93 37 36.47	-2.267	+0.434			178		819	2531	959	1382
1383	86.43	3	99 46 4.48	-2.244	+0.413				10715	828			1383
1384	88.10	3	107 54 40.84	-2.234	+0.384				10726				1384
1385	90.10	3	110 29 44.32	-2.182	+0.374				10748				1385
1386	85.76	3	92 53 3.89	-2.174	+0.437					844			1386
1387	87.14	3	92 0 3.79	-2.166	+0.440	-0.010	819	188	10731	848	2539	963	1387
1388	90.25	3	97 43 6.75	-2.163	+0.420				10738	853			1388
1389	84.85	4	91 11 14.07	-2.160	+0.442				10734			965	1389
1390	88.77	3	89 43 16.39	-2.144	+0.447				10737	854			1390
1391	92.03	3	113 46 54.21	-2.137	+0.362								1391
1392	89.81	3	100 28 0.55	-2.132	+0.411				10763	869			1392
1393	81.64	4	124 8 1.15	-2.125	+0.316	+0.030		196			2547	967	1393
1394	90.43	3	101 15 22.81	-2.118	+0.408					872			1394
1395	90.44	3	110 21 23.72	-2.102	+0.375				10791				1395

1366, 1368, are respectively 1520, 1521 of the Radcliffe Catalogue, 1845.

1353, 1357, 1366, 1368, 1387, 1393, are respectively 621, 623, 625, 627, 630, 632 of the Radcliffe Catalogue, 1860.

1352. The Proper Motions of this star are practically insensible.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
1396	Orionis	7	3	85.29	3	5	36	9.370	+ 3.0039	+ 0.0030		1396
1397	Aurigæ	8-7	2	91.91	3	5	36	34.261	+ 4.8552	+ 0.0113		1397
1398	Leporis	7-8	3	91.01	3	5	36	37.507	+ 2.7064	+ 0.0027		1398
1399	Leporis	7-6	1	91.04	3	5	36	47.463	+ 2.6714	+ 0.0027		1399
1400	Leporis	7-6	3	83.43	3	5	37	22.819	+ 2.6509	+ 0.0027		1400
1401	Orionis	6-7	...	87.17	3	5	37	33.412	+ 2.9127	+ 0.0029		1401
1402	Orionis	6-7	1	90.44	3	5	37	35.431	+ 3.0338	+ 0.0031		1402
1403	12 Leporis	7-6	2	86.14	3	5	37	36.185	+ 2.5234	+ 0.0026	— 0.0015	1403
1404	Leporis	6	...	84.75	3	5	38	32.647	+ 2.6244	+ 0.0026		1404
1405	Orionis	8-9	1	92.10	3	5	39	1.386	+ 2.9440	+ 0.0028		1405
1406	Orionis	7-8	1	91.13	3	5	39	4.921	+ 2.8363	+ 0.0028		1406
1407	Leporis	7	2	87.12	3	5	39	5.850	+ 2.5487	+ 0.0026		1407
1408	Tauri	7-8	2	92.12	3	5	39	6.142	+ 3.5742	+ 0.0042		1408
1409	Orionis	7-8	1	88.75	3	5	39	12.682	+ 2.9111	+ 0.0028		1409
1410	Leporis	8-7	3	92.03	3	5	39	34.578	+ 2.7694	+ 0.0027		1410
1411	Leporis	7-6	3	82.79	3	5	39	44.223	+ 2.5832	+ 0.0026		1411
1412	Leporis	7	2	85.76	3	5	39	51.315	+ 2.5220	+ 0.0025	— 0.0230	1412
1413	13 Leporis	4-5	2	84.81	3	5	39	52.638	+ 2.5213	+ 0.0025	— 0.0230	1413
1414	Leporis	7	...	90.68	3	5	40	10.853	+ 2.5423	+ 0.0026		1414
1415	Orionis	7-6	3	84.08	3	5	40	35.776	+ 2.9721	+ 0.0028		1415
1416	Columbæ	7-6	...	86.64	2	5	41	5.421	+ 2.2492	+ 0.0026		1416
1417	29 Aurigæ	5*	...	89.44	3	5	41	33.166	+ 4.1571	+ 0.0057	— 0.0032	1417
1418	Columbæ	6	...	86.64	2	5	41	54.563	+ 2.2284	+ 0.0025		1418
1419	14 Leporis	4-3*	...	84.13	3	5	41	58.245	+ 2.7188	+ 0.0025	— 0.0018	1419
1420	Leporis	7	1	87.17	3	5	42	12.594	+ 2.6833	+ 0.0025		1420
1421	Orionis	8-7	...	91.80	3	5	42	15.391	+ 3.0181	+ 0.0028		1421
1422	Orionis	7-6	2	88.72	3	5	42	16.137	+ 2.8237	+ 0.0026		1422
1423	53 Orionis	2-3	5	87.79	48	5	42	32.294	+ 2.8444	+ 0.0026	— 0.0017	1423
1424	Orionis	8-9	1	93.04	3	5	42	42.974	+ 2.8765	+ 0.0027		1424
1425	Orionis	7-8	1	92.06	3	5	42	54.067	+ 2.8751	+ 0.0027		1425
1426	Orionis	7-6	2	85.16	3	5	43	6.945	+ 2.9763	+ 0.0027		1426
1427	Leporis	7	...	90.82	3	5	43	24.304	+ 2.7549	+ 0.0025		1427
1428	Leporis	7	2	85.44	3	5	43	39.113	+ 2.7313	+ 0.0025		1428
1429	Orionis	8-7	1	91.79	3	5	44	5.745	+ 3.0635	+ 0.0028		1429
1430	Leporis	7-8	...	92.37	3	5	44	26.160	+ 2.6019	+ 0.0025		1430
1431	Leporis	6-5	3	82.74	3	5	44	36.595	+ 2.7271	+ 0.0024		1431
1432	Orionis	8	3	91.68	3	5	44	40.409	+ 2.9339	+ 0.0026		1432
1433	Leporis	8	2	92.03	3	5	44	49.044	+ 2.4700	+ 0.0024		1433
1434	31 Camelopardali	5-6*	...	87.80	3	5	45	6.757	+ 5.3703	+ 0.0100	— 0.0013	1434
1435	Leporis	6-7	2	82.45	3	5	45	17.740	+ 2.5061	+ 0.0024		1435
1436	55 Orionis	6	4	85.10	3	5	46	3.275	+ 2.8957	+ 0.0026	— 0.0014	1436
1437	Leporis	7-8	2	88.46	3	5	46	13.842	+ 2.7967	+ 0.0025		1437
1438	15 Leporis	4	1	86.31	3	5	46	35.308	+ 2.5632	+ 0.0024	+ 0.0158	1438
1439	Leporis	7-6	3	87.11	3	5	46	52.635	+ 2.5072	+ 0.0024		1439
1440	Orionis	6-7	...	87.17	3	5	46	53.172	+ 2.8594	+ 0.0025		1440

1407. Reddish star.

1408. Reddish star.

1415. Double: the companion is of the 10 magnitude; it has the same N. P. D., and follows 0.25.

1424, 1425. The magnitudes given in Lalande are respectively $7\frac{1}{2}$ and $8\frac{1}{2}$: but the second star was certainly the brighter in 1893.1427. A fainter star (Weisse's Bessel, 1071) follows, and is about $1' 30''$ north.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1396	85°29	3	92 57 11'45	-2°083	+0°437				10776	881			1396
1397	90°49	4	36 43 24'26	-2°045	+0°705								1397
1398	91°01	3	105 23 34'62	-2°042	+0°394				10807				1398
1399	91°04	3	106 46 53'32	-2°028	+0°389								1399
1400	83°43	3	107 35 3'42	-1°976	+0°386				10835				1400
1401	87°17	3	96 51 3'61	-1°961	+0°424				10826	921		971	1401
1402	90°44	3	91 39 53'50	-1°958	+0°441			200	10822	917	2563		1402
1403	86°14	3	112 25 39'24	-1°957	+0°367	-0°015	828	204	10846		2565		1403
1404	84°75	3	108 36 27'41	-1°874	+0°382				10874			972	1404
1405	92°10	3	95 30 46'28	-1°833	+0°428					958			1405
1406	91°13	3	100 3 40'93	-1°827	+0°413				10880	961			1406
1407	87°12	3	111 28 39'60	-1°826	+0°371				10896				1407
1408	92°12	3	69 21 6'50	-1°826	+0°520								1408
1409	88°75	3	96 54 45'86	-1°816	+0°424				10881	964			1409
1410	92°03	3	102 49 28'47	-1°785	+0°403				10904	973			1410
1411	82°79	3	110 10 31'77	-1°771	+0°376				10922				1411
1412	85°76	3	112 27 31'04	-1°761	+0°367	+0°366	836		10931		2581		1412
1413	84°81	3	112 29 5'06	-1°758	+0°367	+0°366	837	219	10933		2582		1413
1414	90°68	3	111 42 21'61	-1°732	+0°370				10949				1414
1415	84°08	3	94 18 38'87	-1°695	+0°433				10936	986			1415
1416	86°64	2	121 42 51'36	-1°653	+0°328						2589		1416
1417	88°10	4	50 51 26'00	-1°613	+0°605	+0°022	829	213	10899			978	1417
1418	86°64	2	122 20 54'53	-1°581	+0°325			238			2597		1418
1419	84°13	3	104 51 47'59	-1°576	+0°396	-0°009	843	230	10998	1024	2596	980	1419
1420	87°17	4	106 16 43'02	-1°554	+0°391				11010				1420
1421	91°80	3	92 20 12'06	-1°552	+0°440				11005	1022			1421
1422	88°72	3	100 34 22'18	-1°550	+0°411				11003				1422
1423	85°16	12	99 42 33'22	-1°527	+0°414	-0°004	844	234	11013	1036	2601	982	1423
1424	93°04	3	98 21 52'33	-1°511	+0°419				11024	1039			1424
1425	92°06	3	98 25 19'91	-1°495	+0°419				11033	1044			1425
1426	85°16	3	94 7 30'37	-1°476	+0°434					1048		983	1426
1427	90°82	3	103 23 45'13	-1°451	+0°401					1066			1427
1428	85°44	3	104 21 5'20	-1°429	+0°398				11060				1428
1429	91°79	3	90 23 9'13	-1°390	+0°446					1078			1429
1430	92°37	3	109 26 7'98	-1°361	+0°379				11087				1430
1431	82°74	3	104 30 59'38	-1°345	+0°397				11086	1100		987	1431
1432	91°68	3	95 55 51'92	-1°341	+0°428				11080				1432
1433	92°03	3	114 18 20'01	-1°328	+0°360								1433
1434	86°14	4	30 8 16'03	-1°301	+0°782	+0°022	831	226				988	1434
1435	82°45	3	113 0 20'83	-1°286	+0°365			252	11107		2632		1435
1436	85°10	3	97 32 52'34	-1°220	+0°422	-0°003	853	254	11114		2640	993	1436
1437	88°46	3	101 40 33'40	-1°204	+0°408				11124	1135			1437
1438	86°31	3	110 53 18'89	-1°173	+0°374	+0°654	858	261	11142		2646		1438
1439	87°11	3	112 57 15'65	-1°147	+0°366				11155		2649		1439
1440	87°17	3	99 4 15'54	-1°147	+0°417					1152			1440

1417, 1434, are respectively 1559, 1565 of the Radcliffe Catalogue, 1845.

1413, 1423, 1438, are respectively 638, 641, 648 of the Radcliffe Catalogue, 1860.

1412, 1413. An examination of the Proper Motions made in the formation of the present Catalogue shews that these stars have sensibly a common Proper Motion.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
1441	Orionis	8-7	1	91°79	3	5	46	58°003	+ 3°0186	+ 0°0025		1441
1442	Leporis	7-8	2	91°79	3	5	47	4°222	+ 2°7014	+ 0°0024		1442
1443	Leporis	8-7	1	92°04	3	5	47	20°125	+ 2°6495	+ 0°0024		1443
1444	Leporis	8	3	89°70	3	5	47	33°360	+ 2°7693	+ 0°0024		1444
1445	Aurigæ	7-8	4	85°72	6	5	47	38°252	+ 4°8644	+ 0°0065		1445
1446	54 Orionis χ^1	5-4*	...	87°31	4	5	47	52°123	+ 3°5651	+ 0°0032	- 0°0154	1446
1447	Orionis	7-8	3	88°39	3	5	48	18°351	+ 2°9386	+ 0°0025		1447
1448	57 Orionis χ^2	6*	...	88°40	3	5	48	25°997	+ 3°5513	+ 0°0030	- 0°0016	1448
1449	Orionis	7	1	85°13	3	5	49	7°099	+ 2°9771	+ 0°0024		1449
1450	Leporis	7-6	...	88°01	3	5	49	11°925	+ 2°5954	+ 0°0024		1450
1451	Orionis	7-6	3	87°11	3	5	49	12°958	+ 2°8745	+ 0°0024		1451
1452	58 Orionis α	Var.	...	86°16	35	5	49	12°965	+ 3°2456	+ 0°0026	+ 0°0008	1452
1453	Orionis U	Var.	3	86°07	3	5	49	17°325	+ 3°5627	+ 0°0030		1453
1454	Leporis	6-7	2	90°36	3	5	49	35°574	+ 2°7936	+ 0°0023		1454
1455	Orionis	8-7	2	90°46	3	5	49	59°371	+ 2°9593	+ 0°0024		1455
1456	Orionis	6-7	3	84°45	3	5	50	3°878	+ 2°9642	+ 0°0024		1456
1457	Orionis	7-6	2	90°17	3	5	50	9°624	+ 2°9602	+ 0°0024		1457
1458	139 Tauri	5-6*	...	91°49	3	5	51	10°158	+ 3°7224	+ 0°0029	0°0000	1458
1459	Leporis	7	2	89°81	4	5	51	13°095	+ 2°5408	+ 0°0023		1459
1460	16 Leporis η	4-3*	...	83°77	3	5	51	23°541	+ 2°7348	+ 0°0022	- 0°0044	1460
1461	34 Aurigæ β	2*	...	90°86	3	5	51	27°570	+ 4°4054	+ 0°0039	- 0°0065	1461
1462	Leporis	7	5	85°78	6	5	51	29°194	+ 2°5559	+ 0°0023		1462
1463	Leporis	6-7	1	87°11	3	5	51	37°142	+ 2°5093	+ 0°0023		1463
1464	Orionis	7-8	3	90°17	3	5	51	38°321	+ 2°8752	+ 0°0023		1464
1465	Monocerotis	7-8	2	91°02	3	5	51	53°067	+ 2°8160	+ 0°0023		1465
1466	Leporis	7-6	...	85°15	3	5	51	59°289	+ 2°4990	+ 0°0022		1466
1467	Orionis	8	1	89°81	3	5	52	19°004	+ 2°9295	+ 0°0022		1467
1468	Orionis	7-6	2	84°08	3	5	52	36°138	+ 3°0490	+ 0°0023		1468
1469	Leporis	7	2	87°10	3	5	52	43°234	+ 2°6366	+ 0°0023		1469
1470	Orionis	7-8	2	88°65	3	5	52	54°851	+ 2°9637	+ 0°0022	0°0000	1470
1471	1 Monocerotis	6-7	7	82°42	3	5	53	47°196	+ 2°8514	+ 0°0023	- 0°0015	1471
1472	2 Monocerotis	6-5	2	87°09	3	5	53	50°961	+ 2°8473	+ 0°0023	+ 0°0009	1472
1473	Orionis	7-6	2	85°48	3	5	54	3°377	+ 3°0386	+ 0°0022		1473
1474	Orionis	7-8	2	89°44	3	5	54	27°288	+ 2°9177	+ 0°0021		1474
1475	Orionis	4-5	1	86°49	3	5	54	33°100	+ 3°0006	+ 0°0022		1475
1476	Monocerotis	7	2	89°43	3	5	54	44°072	+ 2°8819	+ 0°0022		1476
1477	Orionis	7-8	2	89°75	3	5	55	12°376	+ 2°8971	+ 0°0022		1477
1478	Leporis	6-7	1	84°17	3	5	55	13°332	+ 2°7663	+ 0°0022		1478
1479	Leporis	7-8	1	91°09	3	5	56	39°215	+ 2°6790	+ 0°0021		1479
1480	3 Monocerotis	6-5	2	82°11	3	5	56	39°927	+ 2°8223	+ 0°0021	- 0°0018	1480
1481	Leporis	7	2	87°06	3	5	56	42°233	+ 2°6995	+ 0°0021		1481
1482	Orionis	7-6	1	88°35	3	5	56	43°819	+ 2°9523	+ 0°0021		1482
1483	Leporis	6-7	1	84°75	3	5	56	44°822	+ 2°4372	+ 0°0022		1483
1484	64 Orionis χ^3	6*	...	86°15	3	5	56	56°703	+ 3°5509	+ 0°0021	+ 0°0016	1484
1485	62 Orionis χ^4	5	1	84°03	3	5	57	23°237	+ 3°5627	+ 0°0020	0°0000	1485

1444. The magnitude assigned to this star in Schönfeld's Zones is 7°0.

1452. Reddish star: the limits of magnitude are 1°0 and 1°4.

1453. Very red star: the limits of magnitude are 6°4 and below 12: the period is 371 days.

1456. A star of the 8 magnitude precedes nearly 5°, and is about 45" north.

1480. Pale blue star.

1451. Reddish star.

1482. Reddish star.

1475. Red star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
1441	91.79	3	92 18 45.48	-1.140	+0.440				11130	1148			1441
1442	91.79	3	105 32 4.80	-1.131	+0.394				11149				1442
1443	92.04	3	107 35 0.43	-1.108	+0.386								1443
1444	89.70	3	102 47 41.07	-1.089	+0.404					1174			1444
1445	88.06	6	36 41 7.42	-1.082	+0.709								1445
1446	87.31	4	69 44 41.97	-1.061	+0.520	+0.096	856	259	11133			998	1446
1447	88.39	3	95 43 42.06	-1.023	+0.428				11176	1188			1447
1448	88.40	3	70 16 21.09	-1.012	+0.518	-0.009	857	265	11153			999	1448
1449	85.13	3	94 5 10.81	-0.952	+0.434					1200			1449
1450	88.01	3	109 39 38.78	-0.945	+0.379				11212				1450
1451	87.11	3	98 26 0.22	-0.943	+0.419				11204	1208			1451
1452	83.35	5	82 36 50.38	-0.943	+0.473	-0.024	860	268	11186		2672	1001	1452
1453	86.07	3	69 50 39.93	-0.937	+0.519							1002	1453
1454	90.36	3	101 47 45.13	-0.910	+0.407					1219			1454
1455	90.46	3	94 50 39.81	-0.876	+0.432				11219	1223			1455
1456	84.45	3	94 38 5.31	-0.869	+0.432				11221	1227		1004	1456
1457	90.17	3	94 48 24.17	-0.860	+0.432				11227	1231			1457
1458	91.49	3	64 3 37.04	-0.773	+0.543	+0.009	862	273	11220			1010	1458
1459	89.81	4	111 42 12.34	-0.768	+0.371				11284				1459
1460	83.77	3	104 11 18.15	-0.752	+0.399	-0.146	866	281	11279	1267	2696	1012	1460
1461	87.26	6	45 3 52.55	-0.746	+0.642	+0.011	859	269	11202		2694	1011	1461
1462	86.30	5	111 8 23.66	-0.745	+0.373				11295				1462
1463	87.11	3	112 51 25.76	-0.733	+0.366								1463
1464	90.17	3	98 23 58.08	-0.732	+0.419				11282	1272			1464
1465	91.02	3	100 52 6.20	-0.710	+0.411				11294	1280			1465
1466	85.15	3	113 13 52.48	-0.701	+0.365						2702		1466
1467	89.81	3	96 6 29.12	-0.672	+0.427				11303	1290			1467
1468	84.08	3	91 0 19.39	-0.647	+0.445				11308				1468
1469	87.10	3	108 4 5.35	-0.637	+0.385				11334				1469
1470	88.65	3	94 39 21.62	-0.620	+0.432	+0.230			11327	1305			1470
1471	82.42	3	99 23 32.17	-0.544	+0.416	-0.008	872	294	11365	1330	2719		1471
1472	87.09	3	99 33 58.18	-0.538	+0.415	+0.034	874	295	11370		2723		1472
1473	85.48	3	91 27 8.34	-0.521	+0.443				11364			1018	1473
1474	89.44	3	96 36 17.03	-0.486	+0.426				11386	1348			1474
1475	86.49	3	93 4 45.05	-0.477	+0.438				11382	1350		1019	1475
1476	89.43	3	98 6 51.01	-0.461	+0.420				11399	1357			1476
1477	89.75	3	97 28 28.83	-0.420	+0.423					1370			1477
1478	84.17	3	102 54 16.16	-0.418	+0.404				11417				1478
1479	91.09	3	106 24 5.35	-0.293	+0.391								1479
1480	82.11	3	100 35 59.19	-0.292	+0.412	-0.025	883	311	11461	1412	2741		1480
1481	87.06	3	105 35 28.78	-0.289	+0.394				11467				1481
1482	88.35	3	95 8 16.89	-0.286	+0.431				11451				1482
1483	85.45	3	115 25 11.21	-0.284	+0.356						2743		1483
1484	86.15	3	70 18 30.02	-0.267	+0.518	+0.012	878	304	11433			1022	1484
1485	84.03	3	69 51 34.42	-0.229	+0.520	-0.006	881	308	11447			1025	1485

1452, 1461, are respectively 1588, 1596 of the Radcliffe Catalogue, 1845.

1446, 1452, 1458, 1460, 1461, 1484, are respectively 650, 652, 656, 657, 655, 664 of the Radcliffe Catalogue, 1860.

1470. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
1486	1 Geminorum ...	5-4	1	88°52	14	5	57	26°044	+ 3°6473	+ 0°0020	— 0°0010	1486
1487	Leporis ...	8-7	...	91°97	3	5	57	26°217	+ 2°5941	+ 0°0022		1487
1488	Leporis ...	6-7	3	83°12	3	5	57	33°651	+ 2°7269	+ 0°0020		1488
1489	Monocerotis ...	8	...	92°04	3	5	57	45°067	+ 2°8042	+ 0°0020		1489
1490	Leporis ...	8-7	1	92°08	3	5	58	45°544	+ 2°5382	+ 0°0021		1490
1491	Leporis ...	5	...	84°12	3	5	58	49°477	+ 2°4123	+ 0°0022		1491
1492	Monocerotis ...	6-5	...	83°47	3	5	58	52°685	+ 2°9153	+ 0°0020		1492
1493	Monocerotis ...	9-8	1	92°41	3	5	58	56°190	+ 2°8676	+ 0°0021		1493
1494	Orionis ...	7	1	85°12	3	5	59	8°962	+ 3°0357	+ 0°0019		1494
1495	Leporis ...	7-8	2	87°14	3	5	59	11°766	+ 2°7372	+ 0°0020		1495
1496	Leporis ...	7-6	1	89°17	4	5	59	55°903	+ 2°6394	+ 0°0021		1496
1497	17 Leporis ...	6	3	86°15	3	6	0	4°493	+ 2°6771	+ 0°0020	+ 0°0003	1497
1498	Monocerotis ...	6-7	2	85°85	3	6	0	15°379	+ 2°8311	+ 0°0020	— 0°0025	1498
1499	37 Camelopardali ...	6*	...	86°89	4	6	0	16°756	+ 5°2929	+ 0°0007	+ 0°0040	1499
1500	Orionis ...	7	3	89°45	3	6	0	39°111	+ 2°9350	+ 0°0019		1500
1501	Leporis ...	8-7	2	91°77	3	6	0	52°137	+ 2°7580	+ 0°0019		1501
1502	18 Leporis ...	5-6	3	83°13	3	6	1	10°596	+ 2°7161	+ 0°0019	— 0°0015	1502
1503	Orionis ...	6	2	84°08	3	6	1	11°532	+ 2°9747	+ 0°0018		1503
1504	Leporis ...	6-7	1	89°84	3	6	1	13°428	+ 2°4721	+ 0°0021		1504
1505	67 Orionis ...	4-5	4	86°98	32	6	1	17°502	+ 3°4252	+ 0°0016	— 0°0003	1505
1506	Orionis ...	7	1	92°37	3	6	1	21°085	+ 3°0746	+ 0°0018		1506
1507	Orionis ...	7	2	85°14	3	6	1	26°808	+ 2°9947	+ 0°0018		1507
1508	Monocerotis ...	7-6	2	86°45	3	6	1	36°508	+ 2°9275	+ 0°0018		1508
1509	Monocerotis ...	7	...	85°14	3	6	1	42°854	+ 2°8087	+ 0°0019	— 0°0009	1509
1510	Leporis ...	7	1	90°09	3	6	1	44°014	+ 2°6764	+ 0°0020		1510
1511	Leporis ...	6-7	1	83°84	3	6	1	56°831	+ 2°5023	+ 0°0021		1511
1512	Leporis ...	6-7	...	87°43	3	6	2	18°277	+ 2°5378	+ 0°0020		1512
1513	Orionis ...	8-9	...	91°98	3	6	2	39°264	+ 3°0398	+ 0°0017		1513
1514	19 Leporis ...	6	2	85°16	3	6	2	54°497	+ 2°6082	+ 0°0020	— 0°0015	1514
1515	4 Monocerotis ...	7	...	85°14	3	6	3	16°161	+ 2°8095	+ 0°0019	+ 0°0020	1515
1516	Monocerotis ...	7-6	3	86°72	3	6	3	27°468	+ 2°9130	+ 0°0018		1516
1517	Monocerotis ...	7	1	89°79	3	6	3	28°153	+ 2°8866	+ 0°0021		1517
1518	Monocerotis ...	7-6	2	86°07	3	6	3	50°061	+ 2°8779	+ 0°0019		1518
1519	Orionis ...	7-6	2	85°82	3	6	4	12°397	+ 2°9392	+ 0°0018		1519
1520	Leporis ...	6-5	...	89°39	3	6	4	20°299	+ 2°5214	+ 0°0020		1520
1521	Leporis ...	7-6	2	86°14	3	6	4	30°065	+ 2°6354	+ 0°0020		1521
1522	Leporis ...	6	1	87°18	3	6	4	34°820	+ 2°7252	+ 0°0018		1522
1523	Leporis ...	8	3	92°10	3	6	5	3°138	+ 2°5732	+ 0°0020		1523
1524	Leporis ...	6-5	2	89°82	3	6	5	10°755	+ 2°5119	+ 0°0022		1524
1525	Leporis ...	7	1	85°12	3	6	5	18°111	+ 2°7134	+ 0°0019		1525
1526	Monocerotis ...	7-6	2	84°14	3	6	5	40°523	+ 2°9148	+ 0°0017		1526
1527	Monocerotis ...	7-8	2	90°03	3	6	5	42°941	+ 2°9022	+ 0°0022		1527
1528	Orionis ...	7-6	...	90°52	3	6	6	17°659	+ 2°9640	+ 0°0022		1528
1529	Leporis ...	7	1	86°51	3	6	6	25°122	+ 2°6951	+ 0°0018		1529
1530	Monocerotis ...	7-8	2	90°03	3	6	6	28°888	+ 2°8314	+ 0°0017		1530

1506. The N. P. D. of this star in Weisse's Bessel is 1' too small.

1519. A star of the 9 magnitude precedes by 4°, and is slightly south.

1522. Reddish-yellow star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1486	89°08	3	66 43 53'06	— 0'225	+ 0'532	+ 0'093	880	307	11445		2746	1026	1486
1487	91°97	3	109 41 29'65	— 0'225	+ 0'378				11497				1487
1488	83°12	3	104 29 50'21	— 0'213	+ 0'398				11492				1488
1489	92°04	3	101 20 52'26	— 0'197	+ 0'409					1439			1489
1490	92°08	3	111 47 5'22	— 0'108	+ 0'370				11522				1490
1491	84°12	3	116 17 4'60	— 0'104	+ 0'352			327			2759		1491
1492	83°47	3	96 42 17'11	— 0'098	+ 0'425				11530	1462		1027	1492
1493	92°41	3	98 42 48'49	— 0'093	+ 0'418					1467			1493
1494	85°12	3	91 34 28'37	— 0'074	+ 0'443				11533	1468			1494
1495	87°14	3	104 4 52'27	— 0'070	+ 0'399				11551	1479			1495
1496	89°22	3	107 57 0'89	— 0'006	+ 0'385				11593				1496
1497	86°15	3	106 28 39'04	+ 0'007	+ 0'390	— 0'010	890	331	11597		2768	1034	1497
1498	85°85	3	100 14 8'27	+ 0'022	+ 0'413	— 0'026	889	330	11594	1509	2770		1498
1499	87°29	4	31 3 4'82	+ 0'025	+ 0'772	— 0'030	876	310				1032	1499
1500	89°45	3	95 52 14'73	+ 0'057	+ 0'428					1514			1500
1501	91°77	3	103 14 19'92	+ 0'076	+ 0'402				11620				1501
1502	83°13	3	104 55 33'13	+ 0'104	+ 0'396	— 0'014	892	336	11637	1540	2780	1038	1502
1503	84°08	3	94 10 59'72	+ 0'105	+ 0'434				11621	1530		1036	1503
1504	89°84	3	114 11 9'00	+ 0'106	+ 0'361						2781		1504
1505	81°03	8	75 13 7'84	+ 0'113	+ 0'500	+ 0'013	887	332	11602	1516	2779	1037	1505
1506	92°37	3	89 54 43'25	+ 0'118	+ 0'448					1534			1506
1507	85°14	3	93 19 47'79	+ 0'127	+ 0'437				11630				1507
1508	86°45	3	96 11 24'91	+ 0'141	+ 0'427				11640	1546			1508
1509	85°14	3	101 9 42'70	+ 0'150	+ 0'410	— 0'010	894	339	11652	1553	2791	1040	1509
1510	90°09	3	106 30 21'57	+ 0'152	+ 0'390				11665				1510
1511	83°84	3	113 5 54'83	+ 0'171	+ 0'365			342	11675		2794	1041	1511
1512	87°43	3	111 47 58'86	+ 0'201	+ 0'370								1512
1513	91°98	3	91 23 58'09	+ 0'232	+ 0'443					1575			1513
1514	85°16	3	109 9 12'25	+ 0'255	+ 0'380	— 0'094	898	349	11700		2801		1514
1515	85°14	3	101 7 47'99	+ 0'286	+ 0'410	— 0'003	897		11702	6	2804	1046	1515
1516	86°72	3	96 48 19'03	+ 0'302	+ 0'425					10			1516
1517	89°79	3	97 55 9'27	+ 0'303	+ 0'421				11706				1517
1518	86°07	3	98 17 3'54	+ 0'335	+ 0'420				11723	23			1518
1519	85°82	3	95 41 34'46	+ 0'367	+ 0'428				11730	39			1519
1520	89°39	3	112 24 29'40	+ 0'379	+ 0'367				11761			1047	1520
1521	86°14	3	108 6 25'77	+ 0'394	+ 0'384				11760				1521
1522	87°18	3	104 34 0'78	+ 0'401	+ 0'397					58			1522
1523	92°10	3	110 29 2'00	+ 0'442	+ 0'375				11775				1523
1524	89°82	3	112 45 21'86	+ 0'453	+ 0'366				11784			1050	1524
1525	85°12	3	105 2 19'02	+ 0'464	+ 0'395				11777	87			1525
1526	84°14	3	96 43 53'40	+ 0'497	+ 0'425				11780	90			1526
1527	90°03	3	97 15 42'09	+ 0'500	+ 0'423				11782				1527
1528	90°52	3	94 38 28'52	+ 0'551	+ 0'432				11793	109			1528
1529	86°51	3	105 46 7'85	+ 0'561	+ 0'393				11820				1529
1530	90°03	3	100 13 34'49	+ 0'567	+ 0'413				11813	115			1530

1499 is 1627 of the Radcliffe Catalogue, 1845.
 1486, 1505, are respectively 665, 669 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
1531	Monocerotis	6-5	1	83.17	3	6	6	30.561	+ 2.9196	+ 0.0016		1531
1532	Canis Majoris	8-9	1	92.07	3	6	6	35.607	+ 2.7744	+ 0.0018		1532
1533	Camelopardali	5-4*	...	91.15	3	6	6	43.335	+ 6.6196	- 0.0077	- 0.0009	1533
1534	Leporis	7	2	91.10	3	6	6	53.227	+ 2.6341	+ 0.0022		1534
1535	Orionis	7-6	1	91.42	3	6	7	13.078	+ 3.0147	+ 0.0015		1535
1536	Monocerotis	7-8	2	91.00	3	6	7	37.249	+ 2.9578	+ 0.0016		1536
1537	Monocerotis	7-8	1	90.81	3	6	7	39.955	+ 2.8680	+ 0.0017		1537
1538	Leporis	7-6	2	91.16	3	6	7	55.252	+ 2.6452	+ 0.0019		1538
1539	7 Geminorum	Var.	1	85.08	10	6	8	14.264	+ 3.6269	+ 0.0006	- 0.0050	1539
1540	71 Orionis	6-5*	...	84.68	3	6	8	22.545	+ 3.5375	+ 0.0008	- 0.0079	1540
1541	Orionis	6-7	2	85.18	3	6	8	25.853	+ 2.9858	+ 0.0015		1541
1542	Canis Majoris	7	2	91.77	3	6	8	26.838	+ 2.7057	+ 0.0018		1542
1543	Monocerotis	7-6	...	91.15	3	6	8	37.734	+ 2.9033	+ 0.0016		1543
1544	Orionis	6-7	2	86.12	3	6	9	10.400	+ 2.9665	+ 0.0015		1544
1545	Orionis	7	1	88.82	3	6	9	17.303	+ 2.9693	+ 0.0015		1545
1546	5 Monocerotis	4-5	2	86.93	4	6	9	29.449	+ 2.9264	+ 0.0015	- 0.0010	1546
1547	Orionis	6	1	85.16	2	6	9	58.698	+ 3.0615	+ 0.0013	- 0.0110	1547
1548	Orionis	7-6	2	89.80	3	6	10	3.954	+ 2.9585	+ 0.0014		1548
1549	Monocerotis	7	2	85.12	3	6	10	11.468	+ 2.8609	+ 0.0016		1549
1550	Canis Majoris	7-6	2	90.50	3	6	10	16.457	+ 2.7918	+ 0.0017		1550
1551	Canis Majoris	6	1	90.02	3	6	10	24.434	+ 2.5801	+ 0.0018		1551
1552	Canis Majoris	7-6	1	90.53	3	6	10	28.278	+ 2.6272	+ 0.0018		1552
1553	Canis Majoris	5*	...	89.19	3	6	10	42.475	+ 2.7474	+ 0.0017		1553
1554	Canis Majoris	7-6	1	87.11	3	6	11	13.319	+ 2.6749	+ 0.0018		1554
1555	Canis Majoris	7-8	...	90.46	3	6	11	34.794	+ 2.7885	+ 0.0016		1555
1556	6 Monocerotis	7	...	90.79	3	6	12	24.830	+ 2.8206	+ 0.0016	- 0.0039	1556
1557	Canis Majoris	7-6	2	86.82	3	6	12	25.819	+ 2.5150	+ 0.0019	+ 0.0110	1557
1558	Monocerotis	7	1	90.79	3	6	12	47.363	+ 2.9161	+ 0.0014		1558
1559	Canis Majoris	6-5	...	84.15	3	6	12	47.977	+ 2.6701	+ 0.0017		1559
1560	Monocerotis	8	1	91.07	3	6	12	53.773	+ 2.9413	+ 0.0014		1560
1561	Canis Majoris	7	...	89.38	3	6	12	57.076	+ 2.6091	+ 0.0018		1561
1562	Canis Majoris	6	1	88.41	3	6	13	28.915	+ 2.5887	+ 0.0017		1562
1563	Monocerotis	7-6	1	85.18	3	6	13	36.638	+ 2.8529	+ 0.0015		1563
1564	Canis Majoris	7-6	1	83.15	2	6	13	50.011	+ 2.7154	+ 0.0016		1564
1565	Monocerotis	7-6	2	85.34	3	6	13	52.118	+ 2.8721	+ 0.0015		1565
1566	Canis Majoris	6-7	...	87.12	3	6	14	16.885	+ 2.5635	+ 0.0018		1566
1567	7 Monocerotis	6	2	86.44	3	6	14	24.755	+ 2.8903	+ 0.0014	- 0.0001	1567
1568	Orionis	6	3	86.16	3	6	14	29.124	+ 3.0049	+ 0.0012		1568
1569	Canis Majoris	7-8	3	88.39	3	6	14	49.309	+ 2.6524	+ 0.0017		1569
1570	Canis Majoris	7-6	1	89.77	3	6	14	55.751	+ 2.7412	+ 0.0015		1570
1571	Canis Majoris	7-8	2	91.75	3	6	14	59.787	+ 2.5320	+ 0.0019		1571
1572	Canis Majoris	7	1	85.81	3	6	15	57.954	+ 2.7947	+ 0.0015		1572
1573	Canis Majoris	6	2	84.88	4	6	16	17.127	+ 2.7958	+ 0.0014		1573
1574	13 Geminorum	3	1	87.04	23	6	16	18.374	+ 3.6267	- 0.0005	+ 0.0037	1574
1575	Monocerotis	Var.	2	90.19	3	6	17	11.024	+ 3.0227	+ 0.0010		1575

1539. The limits of magnitude are 3.2 and 4.2: the period is 229 days.

1550. A star of the 8 magnitude, Lalande 11955, precedes 11^s, and is south.

1568. Yellowish-red star.

1575. The limits of magnitude are 6.9 and below 10.7: the period is 334 days. The estimated magnitude on 1890 March 12 was 10-11, and on March 15 it was 10-9.

1544. Green star.

1545. Red star.

1572. Red star.

1574. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
1531	83.17	3	96 31 32.32	+0.570	+0.425				11805	112	2838		1531
1532	92.07	3	102 34 31.53	+0.577	+0.404				11824	119			1532
1533	89.09	4	20 38 33.60	+0.588	+0.965	+0.111		335				1054	1533
1534	91.10	3	108 9 43.63	+0.602	+0.384								1534
1535	91.42	3	92 28 41.44	+0.631	+0.439					137			1535
1536	91.00	3	94 54 22.79	+0.666	+0.431				11857	154			1536
1537	90.81	3	98 42 4.32	+0.671	+0.418								1537
1538	91.16	3	107 44 9.06	+0.693	+0.385				11890				1538
1539	82.39	8	67 27 42.10	+0.720	+0.528	+0.003	909	22	11842		2853	1057	1539
1540	84.68	3	70 48 25.01	+0.732	+0.515	+0.170	911	23	11855			1059	1540
1541	85.18	3	93 42 43.58	+0.738	+0.435				11892	176			1541
1542	91.77	3	105 21 16.62	+0.739	+0.394				11909				1542
1543	91.15	3	97 13 4.99	+0.755	+0.423				11905				1543
1544	86.12	3	94 32 12.35	+0.802	+0.432				11916				1544
1545	88.82	3	94 25 0.39	+0.812	+0.432								1545
1546	86.84	3	96 14 30.26	+0.830	+0.426	+0.060	920	35	11925	212	2868		1546
1547	85.16	2	90 28 16.62	+0.873	+0.446	+0.205			11936	223			1547
1548	89.80	3	94 52 46.68	+0.881	+0.431				11949				1548
1549	85.12	3	99 0 4.13	+0.891	+0.416								1549
1550	90.50	3	101 52 14.50	+0.898	+0.406				11964	240			1550
1551	90.02	3	110 14 20.40	+0.910	+0.376				11984				1551
1552	90.53	3	108 26 27.41	+0.915	+0.382				11983				1552
1553	89.19	3	103 40 58.29	+0.937	+0.400				11985	254		1063	1553
1554	87.11	3	106 34 54.01	+0.981	+0.389				12000				1554
1555	90.46	3	102 0 30.42	+1.013	+0.406				12006	282			1555
1556	90.79	3	100 41 5.94	+1.086	+0.410	-0.001	927	56		309	2887		1556
1557	86.82	3	112 40 3.66	+1.087	+0.366	+0.240		59	12056		2889		1557
1558	90.79	3	96 41 6.36	+1.118	+0.424								1558
1559	84.15	3	106 46 30.76	+1.119	+0.388				12060			1071	1559
1560	91.07	3	95 36 45.55	+1.128	+0.428				12051				1560
1561	89.38	3	109 8 51.87	+1.133	+0.379				12064				1561
1562	88.41	3	109 55 29.30	+1.179	+0.376				12085			1072	1562
1563	85.18	3	99 20 44.90	+1.191	+0.415				12074	343		1073	1563
1564	83.15	2	104 58 54.15	+1.210	+0.395				12095				1564
1565	85.34	3	98 32 30.22	+1.213	+0.418				12081				1565
1566	87.12	3	110 52 53.41	+1.249	+0.373				12118				1566
1567	86.44	3	97 46 38.07	+1.261	+0.420	-0.009	928	69		366	2905	1076	1567
1568	86.16	3	92 53 55.06	+1.266	+0.437				12104	364		1077	1568
1569	88.39	3	107 28 47.54	+1.296	+0.385				12135				1569
1570	89.77	3	103 56 47.93	+1.306	+0.398					388			1570
1571	91.75	3	112 3 26.02	+1.312	+0.368				12150				1571
1572	85.81	3	101 46 4.43	+1.396	+0.406				12169				1572
1573	84.88	4	101 43 22.35	+1.424	+0.406				12176	427		1084	1573
1574	83.18	8	67 25 49.49	+1.425	+0.527	+0.101	929	74	12136		2923	1082	1574
1575	90.19	3	92 8 27.86	+1.502	+0.439								1575

1533, 1539, 1574, are respectively 1664, 1685, 1725 of the Radcliffe Catalogue, 1845.
 1539, 1540, 1546, 1574, are respectively 672, 674, 680, 690 of the Radcliffe Catalogue, 1860.
 1533. The Proper Motions have been taken from Auwers' "Catalog der Fundamental-Sterne."
 1547, 1557. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
1576	Monocerotis	7-6	2	85.11	3	6 17 31.791	+ 2.9974	+ 0.0010		1576
1577	Canis Majoris	8-9	1	92.07	3	6 17 49.931	+ 2.4919	+ 0.0017		1577
1578	2 Canis Majoris ... β	2	1	87.23	36	6 17 51.246	+ 2.6420	+ 0.0016	- 0.0015	1578
1579	Monocerotis	7	2	85.47	3	6 17 56.599	+ 2.9645	+ 0.0011		1579
1580	Monocerotis	7-6	...	90.03	3	6 18 23.211	+ 2.8419	+ 0.0013		1580
1581	Canis Majoris	7	1	87.12	3	6 18 47.359	+ 2.7151	+ 0.0015		1581
1582	Canis Majoris	7-8	1	89.83	3	6 18 47.814	+ 2.6801	+ 0.0014		1582
1583	Canis Majoris	7	1	89.49	3	6 19 2.090	+ 2.5947	+ 0.0017		1583
1584	Canis Majoris	6-5	2	83.16	3	6 19 2.488	+ 2.8021	+ 0.0014		1584
1585	Monocerotis	9-8	1	91.10	3	6 19 15.801	+ 2.9130	+ 0.0011		1585
1586	Canis Majoris	7-6	3	85.06	3	6 19 16.116	+ 2.7673	+ 0.0014		1586
1587	Orionis	6-7	3	86.44	3	6 19 39.025	+ 3.0521	+ 0.0008	+ 0.0150	1587
1588	Monocerotis	7	2	85.00	3	6 20 4.400	+ 3.0043	+ 0.0009		1588
1589	Monocerotis	7-6	2	84.77	3	6 20 19.032	+ 2.9834	+ 0.0009		1589
1590	Monocerotis	7	2	85.48	3	6 20 40.954	+ 2.8893	+ 0.0011		1590
1591	Monocerotis	7	2	87.14	3	6 20 41.190	+ 2.9921	+ 0.0009		1591
1592	Canis Majoris	7-8	2	91.33	3	6 21 3.477	+ 2.5639	+ 0.0016		1592
1593	Orionis	7-6	2	88.50	3	6 21 5.312	+ 3.0390	+ 0.0008		1593
1594	Monocerotis	6-7	1	85.46	3	6 21 8.053	+ 2.9670	+ 0.0009		1594
1595	Monocerotis	7	2	89.41	3	6 21 25.883	+ 2.8985	+ 0.0011		1595
1596	9 Monocerotis	7	3	86.16	3	6 21 33.911	+ 2.9726	+ 0.0009	- 0.0008	1596
1597	78 Orionis	6-5	1	81.84	3	6 21 38.192	+ 3.0676	+ 0.0007	+ 0.0022	1597
1598	Canis Majoris	7-8	3	89.69	3	6 21 40.792	+ 2.6074	+ 0.0015		1598
1599	Canis Majoris	7-6	1	88.60	3	6 21 42.552	+ 2.7274	+ 0.0014		1599
1600	18 Geminorum ... ν	5	2	88.71	10	6 22 25.930	+ 3.5642	- 0.0010	- 0.0022	1600
1601	10 Monocerotis	5-6	2	83.15	3	6 22 31.668	+ 2.9632	+ 0.0008	- 0.0011	1601
1602	Canis Majoris	8	...	91.74	3	6 22 37.227	+ 2.4754	+ 0.0017		1602
1603	Orionis	7	1	87.45	3	6 23 13.965	+ 3.0771	+ 0.0006		1603
1604	11 Monocerotis	6	4	83.09	4	6 23 28.853	+ 2.9101	+ 0.0010	- 0.0046	1604
1605	Monocerotis	6-7	4	83.09	4	6 23 29.283	+ 2.9101	+ 0.0010	- 0.0046	1605
1606	Monocerotis	7-6	4	83.09	4	6 23 29.443	+ 2.9101	+ 0.0010	- 0.0046	1606
1607	Canis Majoris	8-7	3	87.15	3	6 23 30.372	+ 2.7660	+ 0.0012		1607
1608	Canis Majoris	7-6	1	84.16	3	6 23 45.019	+ 2.6559	+ 0.0014		1608
1609	Canis Majoris	4-5*	...	84.33	4	6 24 5.213	+ 2.2251	+ 0.0017		1609
1610	Monocerotis	8	1	91.09	3	6 24 5.685	+ 2.8587	+ 0.0011		1610
1611	Canis Majoris	7-8	...	89.50	3	6 24 44.293	+ 2.6677	+ 0.0015		1611
1612	Canis Majoris	7	2	87.78	3	6 24 48.001	+ 2.5215	+ 0.0016		1612
1613	Monocerotis	6-7	1	84.91	3	6 24 59.136	+ 2.8380	+ 0.0011		1613
1614	Monocerotis	8-7	2	91.45	3	6 25 18.703	+ 2.9880	+ 0.0007		1614
1615	Canis Majoris	7	3	85.84	3	6 25 24.346	+ 2.6114	+ 0.0015		1615
1616	Canis Majoris	7	1	90.00	3	6 25 26.167	+ 2.7899	+ 0.0011		1616
1617	Canis Majoris	7	...	85.11	3	6 25 30.581	+ 2.7195	+ 0.0013		1617
1618	Canis Majoris	7-6	2	83.46	3	6 25 30.787	+ 2.7640	+ 0.0012		1618
1619	Canis Majoris	8-7	...	89.42	3	6 26 0.247	+ 2.5292	+ 0.0015		1619
1620	Canis Majoris	6-5	2	85.16	3	6 26 16.557	+ 2.7826	+ 0.0012		1620

1604, 1605, 1606. It is probable that Bradley observed the common mass of the three stars.
 1607. A star of the 7-8 magnitude, Lalande 12438, precedes 17^s.
 1615. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1576	85.11	3	93 13 22.41	+1.533	+0.435				12214	462			1576
1577	92.07	3	113 32 16.91	+1.559	+0.362								1577
1578	83.90	4	107 54 6.43	+1.560	+0.383	-0.003	936	92	12241		2940	1088	1578
1579	85.47	3	94 37 55.04	+1.568	+0.430					470			1579
1580	90.03	3	99 49 8.04	+1.607	+0.412				12250	486			1580
1581	87.12	3	105 0 52.65	+1.642	+0.394				12272				1581
1582	89.83	3	106 24 39.57	+1.643	+0.389				12275				1582
1583	89.49	3	109 43 42.61	+1.663	+0.376				12288				1583
1584	83.16	3	101 28 16.76	+1.663	+0.407				12278	512		1093	1584
1585	91.10	3	96 49 37.01	+1.684	+0.423					517			1585
1586	85.06	3	102 54 14.23	+1.684	+0.402				12287	526			1586
1587	86.44	3	90 52 45.40	+1.717	+0.443	+0.220			12283	527		1094	1587
1588	85.00	3	92 55 48.96	+1.754	+0.436					536			1588
1589	84.77	3	93 49 39.43	+1.775	+0.433								1589
1590	85.48	3	97 49 57.03	+1.807	+0.419				12333	562			1590
1591	87.14	3	93 27 20.05	+1.807	+0.434					559			1591
1592	91.33	3	110 54 37.50	+1.841	+0.372				12370				1592
1593	88.50	3	91 26 34.14	+1.842	+0.441				12343	575			1593
1594	85.46	3	94 32 0.64	+1.847	+0.430				12351	580			1594
1595	89.41	3	97 26 49.70	+1.873	+0.420				12362	594			1595
1596	86.16	3	94 17 26.80	+1.884	+0.431	-0.007	945	111	12364	596	2988		1596
1597	81.65	4	90 12 38.31	+1.890	+0.445	-0.012	944	108			2989		1597
1598	89.69	3	109 15 37.13	+1.894	+0.378				12382				1598
1599	88.60	3	104 32 19.02	+1.897	+0.395				12377	606			1599
1600	84.63	5	69 43 7.90	+1.960	+0.517	+0.006	942	109	12361		2994	1104	1600
1601	83.15	3	94 41 41.25	+1.968	+0.429	-0.014	948	116	12393	622	2997	1105	1601
1602	91.74	3	114 10 21.60	+1.976	+0.358								1602
1603	87.45	3	89 48 8.36	+2.029	+0.446			119					1603
1604	83.09	4	96 57 46.55	+2.051	+0.421	-0.034	952	121	12439		3009		1604
1605	83.09	4	96 57 51.40	+2.051	+0.421	-0.034		122	12441				1605
1606	83.09	4	96 57 52.21	+2.051	+0.421	-0.034		122	12441				1606
1607	87.15	3	102 58 47.53	+2.053	+0.400				12447	661			1607
1608	84.16	3	107 23 47.17	+2.074	+0.384				12456				1608
1609	84.76	3	122 30 42.90	+2.103	+0.322			136			3014	1109	1609
1610	91.09	3	99 8 9.15	+2.105	+0.414					675			1610
1611	89.50	3	106 56 21.19	+2.160	+0.386				12498				1611
1612	87.78	3	112 31 8.69	+2.166	+0.365				12509				1612
1613	84.91	3	100 0 27.53	+2.182	+0.411								1613
1614	91.45	3	93 38 17.43	+2.211	+0.432					707			1614
1615	85.84	3	109 8 24.73	+2.218	+0.378				12524				1615
1616	90.00	3	102 0 23.05	+2.221	+0.403				12512				1616
1617	85.11	3	104 52 47.19	+2.228	+0.393				12520	721			1617
1618	83.46	3	103 4 24.82	+2.228	+0.400				12515				1618
1619	88.42	3	112 14 46.56	+2.270	+0.366				12544				1619
1620	85.16	3	102 18 51.69	+2.295	+0.402				12541	748		1114	1620

1578, 1597, 1600, are respectively 692, 701, 702 of the Radcliffe Catalogue, 1860.
 1587. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
1621	Canis Majoris ...	6	...	87.17	3	6 26 24.860	+ 2.3755	+ 0.0017		1621
1622	Monocerotis ...	6	1	84.48	3	6 26 32.917	+ 2.8840	+ 0.0010		1622
1623	Canis Majoris ...	7-6	...	87.18	3	6 26 48.406	+ 2.5541	+ 0.0015		1623
1624	Monocerotis ...	8-7	...	91.67	3	6 26 56.028	+ 2.9017	+ 0.0009		1624
1625	Monocerotis ...	6-7	1	85.51	3	6 27 0.001	+ 2.9379	+ 0.0007		1625
1626	Canis Majoris ...	7	3	86.18	3	6 27 5.010	+ 2.6416	+ 0.0014		1626
1627	4 Canis Majoris ... ξ^1	4*	...	81.16	3	6 27 16.254	+ 2.4997	+ 0.0015	- 0.0063	1627
1628	Canis Majoris ...	7-6	1	84.51	3	6 27 37.545	+ 2.8125	+ 0.0010		1628
1629	Monocerotis ...	6-5	2	84.41	4	6 28 2.949	+ 3.0462	+ 0.0004		1629
1630	Canis Majoris ...	7	3	87.12	3	6 28 44.327	+ 2.5676	+ 0.0015		1630
1631	Monocerotis ...	7-6	3	88.53	3	6 28 51.289	+ 3.0032	+ 0.0005		1631
1632	Monocerotis ...	7-8	1	91.72	3	6 28 52.559	+ 2.9608	+ 0.0006		1632
1633	Canis Majoris ...	8	2	91.78	3	6 29 23.667	+ 2.6941	+ 0.0012		1633
1634	23 Geminorum ...	7-6	2	87.72	3	6 29 39.980	+ 3.4749	- 0.0014	- 0.0003	1634
1635	Canis Majoris ...	7-8	2	89.37	3	6 30 2.192	+ 2.5777	+ 0.0014		1635
1636	5 Canis Majoris ... ξ^2	5	1	83.17	3	6 30 26.720	+ 2.5134	+ 0.0015	+ 0.0018	1636
1637	Canis Majoris ...	7-8	...	87.83	3	6 30 45.236	+ 2.8081	+ 0.0009		1637
1638	Canis Majoris ...	7-6	1	88.62	3	6 30 51.627	+ 2.5367	+ 0.0014		1638
1639	Monocerotis ...	6	1	85.11	3	6 31 10.423	+ 2.9538	+ 0.0004		1639
1640	Monocerotis ...	8	1	91.82	3	6 31 14.702	+ 2.8452	+ 0.0008		1640
1641	24 Geminorum ... γ	2-3	4	86.15	51	6 31 21.465	+ 3.4646	- 0.0016	+ 0.0023	1641
1642	Canis Majoris ...	8	2	91.79	3	6 31 31.887	+ 2.4821	+ 0.0015		1642
1643	6 Canis Majoris ... ν^1	6-7	1	86.83	3	6 31 33.821	+ 2.6276	+ 0.0013	- 0.0026	1643
1644	Canis Majoris ...	7-6	2	85.48	3	6 31 42.853	+ 2.7612	+ 0.0010		1644
1645	7 Canis Majoris ... ν^2	4-5	1	85.20	3	6 31 53.069	+ 2.6124	+ 0.0013	+ 0.0028	1645
1646	Canis Majoris ...	7	...	89.47	3	6 32 3.457	+ 2.5235	+ 0.0014		1646
1647	Monocerotis ...	7	...	89.45	3	6 32 14.906	+ 2.8831	+ 0.0008		1647
1648	Canis Majoris ...	6-7	2	84.11	3	6 32 36.002	+ 2.7697	+ 0.0010		1648
1649	Monocerotis ...	7-6	2	84.18	3	6 32 48.939	+ 3.0159	+ 0.0003		1649
1650	Monocerotis ...	8	2	89.07	3	6 32 52.609	+ 3.2600	- 0.0007		1650
1651	8 Canis Majoris ... ν^3	5	2	83.11	3	6 33 3.039	+ 2.6390	+ 0.0013	- 0.0011	1651
1652	Canis Majoris ...	5-4	...	81.17	2	6 33 40.347	+ 2.2382	+ 0.0016		1652
1653	Canis Majoris ...	6-7	2	83.44	4	6 33 41.325	+ 2.6738	+ 0.0011		1653
1654	Canis Majoris ...	7	2	85.84	3	6 33 48.022	+ 2.4980	+ 0.0014		1654
1655	Monocerotis ...	7	2	91.69	3	6 34 11.873	+ 3.0429	+ 0.0001		1655
1656	Canis Majoris ...	6-5	1	84.51	3	6 34 14.997	+ 2.7417	+ 0.0010		1656
1657	Monocerotis ...	8-7	1	91.47	3	6 34 33.607	+ 3.0203	+ 0.0002		1657
1658	15 Monocerotis ... S	Var.	2	86.56	4	6 34 55.236	+ 3.3054	- 0.0011	- 0.0003	1658
1659	Monocerotis ...	7	1	91.64	3	6 34 56.747	+ 2.9279	+ 0.0004		1659
1660	Canis Majoris ...	7-6	1	89.11	3	6 35 1.569	+ 2.4953	+ 0.0014		1660
1661	Monocerotis ...	7-8	1	87.13	3	6 35 42.992	+ 2.8993	+ 0.0006		1661
1662	Canis Majoris ...	8-7	2	89.21	3	6 35 43.602	+ 2.5579	+ 0.0013		1662
1663	Canis Majoris ...	7-8	1	91.78	3	6 35 50.387	+ 2.7898	+ 0.0008		1663
1664	Monocerotis ...	8	2	93.09	3	6 35 50.612	+ 3.0208	+ 0.0001		1664
1665	26 Geminorum ...	6-5	2	85.36	3	6 36 0.026	+ 3.4952	- 0.0022	- 0.0009	1665

1639. The magnitude assigned to this star in Weisse's Bessel is 8.

1643. A star of the 9-8 magnitude precedes 1^s, and is slightly south.

1658. The limits of magnitude are 4.9 and 5.4: the period is 3.4 days: there is a close faint companion south and preceding.

1661. Reddish star.

1645. Red star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1621	87.17	3	117 41 37.44	+ 2.306	+ 0.343			148			3032	1117	1621
1622	84.48	3	98 4 46.46	+ 2.318	+ 0.417				12545	753		1118	1622
1623	87.18	3	111 19 44.05	+ 2.340	+ 0.369				12570				1623
1624	91.67	3	97 19 46.72	+ 2.351	+ 0.419				12551	762			1624
1625	85.51	3	95 47 17.76	+ 2.357	+ 0.425				12552	763		1120	1625
1626	86.18	3	107 59 2.24	+ 2.364	+ 0.382			151	12576		3038		1626
1627	81.16	3	113 20 23.40	+ 2.380	+ 0.361	- 0.007	962	155	12592		3043		1627
1628	84.51	3	101 5 9.80	+ 2.411	+ 0.406			154	12582	784	3049	1124	1628
1629	84.49	3	91 8 14.72	+ 2.448	+ 0.440				12587	775		1125	1629
1630	87.12	3	110 50 24.86	+ 2.508	+ 0.370				12632				1630
1631	88.53	3	92 59 24.64	+ 2.518	+ 0.433				12617	816			1631
1632	91.72	3	94 48 57.67	+ 2.521	+ 0.427				12620	820			1632
1633	91.78	3	105 55 39.64	+ 2.565	+ 0.389				12652				1633
1634	87.72	3	73 6 51.98	+ 2.589	+ 0.501	- 0.010	966	158	12621			1130	1634
1635	89.37	3	110 28 15.97	+ 2.620	+ 0.372				12638				1635
1636	83.17	3	112 52 41.76	+ 2.656	+ 0.362	- 0.031	972	170	12698		3076	1133	1636
1637	87.83	3	101 17 8.18	+ 2.683	+ 0.405				12694	882			1637
1638	88.62	3	112 1 12.03	+ 2.693	+ 0.365								1638
1639	85.11	3	95 7 13.48	+ 2.719	+ 0.426			171	12702	891	3084	1137	1639
1640	91.82	3	99 44 20.44	+ 2.725	+ 0.410								1640
1641	81.02	14	73 30 26.16	+ 2.735	+ 0.499	+ 0.035	969	169	12680		3087	1139	1641
1642	91.79	3	114 1 45.44	+ 2.750	+ 0.357								1642
1643	86.83	3	108 34 12.55	+ 2.753	+ 0.378	- 0.023	975	179			3089	1142	1643
1644	85.48	3	103 13 44.65	+ 2.766	+ 0.398					917			1644
1645	85.20	3	109 9 44.75	+ 2.781	+ 0.376	+ 0.041	978	180	12740		3094	1143	1645
1646	89.47	3	112 31 25.22	+ 2.795	+ 0.363				12755				1646
1647	89.45	3	98 8 33.33	+ 2.813	+ 0.415				12737	928			1647
1648	84.11	3	102 53 15.08	+ 2.843	+ 0.399				12758	944			1648
1649	84.18	3	92 26 58.14	+ 2.862	+ 0.434				12757				1649
1650	89.07	3	81 55 57.46	+ 2.867	+ 0.469								1650
1651	83.11	3	108 8 33.03	+ 2.882	+ 0.380	- 0.016	979	189	12784		3108		1651
1652	81.17	2	122 14 49.02	+ 2.935	+ 0.322			198			3115		1652
1653	83.44	4	106 46 35.56	+ 2.937	+ 0.384				12801				1653
1654	85.84	3	113 29 1.82	+ 2.947	+ 0.359						3116		1654
1655	91.69	3	91 16 54.27	+ 2.981	+ 0.438				12799				1655
1656	84.51	3	104 2 52.44	+ 2.986	+ 0.394				12825	990		1146	1656
1657	91.47	3	92 15 43.52	+ 3.013	+ 0.434				12824	991			1657
1658	87.15	3	80 0 10.87	+ 3.043	+ 0.475	0.000	981	193	12827	993		1150	1658
1659	91.64	3	96 14 47.79	+ 3.046	+ 0.421				12840				1659
1660	89.11	3	113 35 45.46	+ 3.053	+ 0.358				12866		3131	1151	1660
1661	87.13	3	97 28 13.72	+ 3.113	+ 0.416				12869	1033			1661
1662	89.21	3	111 17 19.50	+ 3.114	+ 0.367				12889				1662
1663	91.78	3	102 4 49.17	+ 3.123	+ 0.401				12883	1038			1663
1664	93.09	3	92 14 35.95	+ 3.124	+ 0.434					1032			1664
1665	85.36	3	72 14 51.40	+ 3.137	+ 0.502	+ 0.080	982	202	12850			1155	1665

1641 is 1784 of the Radcliffe Catalogue, 1845.

1626, 1636, 1641, 1652, are respectively 708, 712, 714, 717 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
1666	Monocerotis ...	7	3	89°14	3	6	36	2.483	+2.9088	+0.0004		1666
1667	Monocerotis ...	6-5	1	85°10	3	6	36	41.294	+2.8620	+0.0006		1667
1668	Monocerotis ...	7	3	89°45	3	6	36	44.626	+2.9336	+0.0003		1668
1669	Canis Majoris ...	7	3	88°56	5	6	36	45.795	+2.5866	+0.0013		1669
1670	Canis Majoris ...	7	1	89°06	3	6	37	3.023	+2.6966	+0.0010		1670
1671	Canis Majoris ...	7	1	87°53	3	6	37	12.354	+2.5886	+0.0012		1671
1672	Monocerotis ...	7	3	84°14	3	6	37	20.111	+2.9795	+0.0001		1672
1673	Canis Majoris ...	8	...	91°79	3	6	37	26.266	+2.8246	+0.0006		1673
1674	Canis Majoris ...	7-8	2	89°69	3	6	37	59.303	+2.7537	+0.0009		1674
1675	Canis Majoris ...	8-9	2	92°05	3	6	38	3.872	+2.4752	+0.0013		1675
1676	Canis Majoris ...	7	1	83°16	3	6	38	8.038	+2.5306	+0.0013		1676
1677	31 Geminorum ...	ξ	3	85°39	35	6	39	6.949	+3.3770	-0.0019	-0.0087	1677
1678	42 Camelopardali ...	5*	...	90°18	3	6	39	28.653	+6.2825	-0.0402	+0.0030	1678
1679	Canis Majoris ...	7-8	1	89°38	3	6	40	1.280	+2.6331	+0.0011		1679
1680	Monocerotis ...	7	3	84°14	3	6	40	13.696	+3.0587	-0.0002		1680
1681	9 Canis Majoris ...	α	...	83°61	6	6	40	17.874	+2.6810	+0.0010	-0.0372	1681
1682	Canis Majoris ...	7-6	1	89°83	3	6	40	47.962	+2.5045	+0.0013		1682
1683	Canis Majoris ...	6	2	84°48	3	6	40	59.399	+2.7279	+0.0008		1683
1684	Monocerotis ...	8-9	1	91°29	3	6	41	23.868	+2.9336	+0.0001		1684
1685	Monocerotis ...	7-6	3	86°10	3	6	41	26.557	+2.8408	+0.0005		1685
1686	Canis Majoris ...	7-6	1	89°19	3	6	41	39.531	+2.6001	+0.0011		1686
1687	11 Canis Majoris ...	6-5	1	85°12	3	6	41	50.000	+2.7372	+0.0007	-0.0021	1687
1688	12 Canis Majoris ...	7-6	2	86°54	3	6	42	18.756	+2.5708	+0.0011	-0.0019	1688
1689	Monocerotis ...	6-5	1	85°19	3	6	42	21.870	+2.8672	+0.0004		1689
1690	Canis Majoris ...	7-8	1	88°71	3	6	42	43.532	+2.6611	+0.0010		1690
1691	Monocerotis ...	6-7	2	84°44	3	6	42	44.493	+3.0451	-0.0004		1691
1692	Monocerotis ...	9-8	3	91°43	3	6	43	0.057	+2.9950	-0.0002		1692
1693	Monocerotis ...	7-8	2	87°17	3	6	43	3.034	+2.8965	+0.0003		1693
1694	Canis Majoris ...	7-8	2	89°83	3	6	43	22.053	+2.7761	+0.0006		1694
1695	Monocerotis ...	6-7	...	88°78	3	6	43	43.966	+3.0233	-0.0003		1695
1696	Canis Majoris ...	6	2	89°50	3	6	43	58.401	+2.7203	+0.0008		1696
1697	Camelopardali ...	5-4*	...	90°81	3	6	44	0.926	+8.8094	-0.1211	+0.0230	1697
1698	Canis Majoris ...	7-6	1	90°84	3	6	45	9.947	+2.4902	+0.0012		1698
1699	Monocerotis ...	6	2	85°53	3	6	45	12.869	+3.0632	-0.0006	0.0000	1699
1700	Monocerotis ...	7-8	3	90°51	3	6	45	15.798	+2.9776	-0.0002		1700
1701	Canis Majoris ...	7	3	82°79	3	6	45	23.287	+2.6677	+0.0010		1701
1702	Monocerotis ...	7-6	...	91°31	3	6	45	24.484	+2.8903	+0.0002		1702
1703	Canis Majoris ...	6-7	3	86°73	3	6	45	27.734	+2.6729	+0.0010		1703
1704	34 Geminorum ...	θ	...	92°06	3	6	45	32.298	+3.9596	-0.0073	-0.0002	1704
1705	Monocerotis ...	7	...	91°67	3	6	45	59.357	+2.8425	+0.0003		1705
1706	Monocerotis ...	7-8	...	91°40	3	6	46	9.010	+3.0205	-0.0005		1706
1707	Canis Majoris ...	8-7	1	92°11	3	6	46	52.985	+2.8163	+0.0004		1707
1708	Monocerotis ...	7	3	86°19	3	6	46	56.820	+2.9570	-0.0002	-0.0400	1708
1709	Monocerotis ...	7-6	4	85°12	3	6	46	58.173	+2.9538	-0.0002		1709
1710	Canis Majoris ...	8	3	92°41	3	6	47	15.739	+2.5392	+0.0012		1710

1674. The R. A. given in Weisse's Bessel for this star is 10° too small.

1681. This star in the Harvard Photometry is brighter by 2.4 than the unit magnitude.

1682. Reddish star.

1689. Reddish star.

1700. A star of the 9-8 magnitude, Lalande 13214, follows 15°, and is about 25" north.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1666	89°14	3	97 3 55.93	+ 3'140	+ 0.418				12885	1040			1666
1667	85°10	3	99 3 40.57	+ 3'196	+ 0.411				12907	1064		1158	1667
1668	89°45	3	96 0 33.05	+ 3'202	+ 0.421					1063			1668
1669	88°56	5	110 12 45.66	+ 3'203	+ 0.371				12927				1669
1670	89°06	3	105 54 8.37	+ 3'228	+ 0.387				12936				1670
1671	87°53	3	110 8 35.99	+ 3'241	+ 0.371				12947				1671
1672	84°14	3	94 2 3.68	+ 3'252	+ 0.427				12926	1079			1672
1673	91°79	3	100 38 36.64	+ 3'261	+ 0.405				12944				1673
1674	89°69	3	103 35 23.24	+ 3'308	+ 0.395				12956	1103			1674
1675	92°05	3	114 22 8.93	+ 3'315	+ 0.355								1675
1676	83°16	3	112 20 39.29	+ 3'321	+ 0.363				12973				1676
1677	81°75	10	76 59 10.03	+ 3'406	+ 0.484	+ 0.195	989	217	12964		3165	1168	1677
1678	88°92	5	22 18 29.16	+ 3'438	+ 0.901	- 0.016	974	194	12823			1166	1678
1679	89°38	3	108 27 25.56	+ 3'484	+ 0.377								1679
1680	84°14	3	90 36 6.97	+ 3'502	+ 0.438				13020	1163			1680
1681	83°01	8	106 33 58.90	+ 3'508	+ 0.384	+ 1.199	994	227	13035		3176	1169	1681
1682	89°83	3	113 20 55.26	+ 3'551	+ 0.358				13064		3180		1682
1683	84°48	3	104 40 48.05	+ 3'567	+ 0.390				13059	1198			1683
1684	91°29	3	96 1 38.98	+ 3'603	+ 0.419								1684
1685	86°10	3	99 59 25.38	+ 3'606	+ 0.406				13070	1207			1685
1686	89°19	3	109 45 38.77	+ 3'626	+ 0.371								1686
1687	85°12	3	104 18 30.49	+ 3'640	+ 0.391	- 0.020	996	237	13086		3193	1174	1687
1688	86°54	3	110 53 48.88	+ 3'682	+ 0.366	- 0.010	1001	241	13115	1222	3200	1176	1688
1689	85°19	3	98 52 43.84	+ 3'686	+ 0.409				13100	1242			1689
1690	88°71	3	107 23 20.20	+ 3'717	+ 0.380				13129				1690
1691	84°44	3	91 11 48.41	+ 3'717	+ 0.435				13104	1248			1691
1692	91°43	3	93 22 33.65	+ 3'740	+ 0.428								1692
1693	87°17	3	97 38 0.07	+ 3'745	+ 0.413				13127				1693
1694	89°83	3	102 43 6.90	+ 3'772	+ 0.396				13144				1694
1695	88°78	3	92 8 54.72	+ 3'803	+ 0.431				13143	1277			1695
1696	89°50	3	105 1 16.55	+ 3'823	+ 0.388				13173	1291			1696
1697	85°48	3	12 53 4.35	+ 3'828	+ 1.260	+ 0.014		201	12846			1178	1697
1698	90°84	3	113 56 59.41	+ 3'926	+ 0.354						3227		1698
1699	85°53	3	90 24 27.50	+ 3'931	+ 0.436	+ 0.150			13198	1320			1699
1700	90°51	3	94 8 19.69	+ 3'935	+ 0.424				13206	1328			1700
1701	82°79	3	107 9 50.56	+ 3'945	+ 0.380				13230				1701
1702	91°31	3	97 54 48.92	+ 3'946	+ 0.412				13216	1339			1702
1703	86°73	3	106 57 26.73	+ 3'952	+ 0.381				13232				1703
1704	92°06	3	55 54 24.98	+ 3'958	+ 0.564	+ 0.032	1003	248	13155				1704
1705	91°67	3	99 57 21.02	+ 3'997	+ 0.405								1705
1706	91°40	3	92 16 22.86	+ 4'011	+ 0.430				13238	1353			1706
1707	92°11	3	101 4 25.31	+ 4'074	+ 0.400				13289	1384			1707
1708	86°19	3	95 2 30.96	+ 4'079	+ 0.420	0.000			13284				1708
1709	85°12	3	95 11 1.91	+ 4'081	+ 0.420				13282				1709
1710	92°41	3	112 10 18.66	+ 4'107	+ 0.361				13316				1710

1677, 1678, 1681, 1697, are respectively 1810, 1804, 1816, 1813 of the Radcliffe Catalogue, 1845.
 1677, 1681, are respectively 725, 727 of the Radcliffe Catalogue, 1860.
 1697. The Proper Motions have been taken from Auwers' "Catalog der Fundamental-Sterne."
 1699, 1708. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
1711	Monocerotis ...	8	2	92.14	3	6 47 49.390	+ 2.8972	+ 0.0001		1711
1712	Canis Majoris ...	6-7	4	86.81	3	6 48 30.391	+ 2.6251	+ 0.0009		1712
1713	Canis Majoris ...	6-7	3	87.84	3	6 48 32.858	+ 2.6276	+ 0.0009		1713
1714	Canis Majoris ...	8-7	1	91.85	3	6 48 43.798	+ 2.7695	+ 0.0005		1714
1715	Monocerotis ...	7-6	3	86.13	3	6 48 45.121	+ 2.9417	- 0.0002		1715
1716	Cephei 51 ...	5-6	2	84.94	223	6 48 46.366	+ 29.9647	- 2.4151	- 0.0400	1716
1717	15 Canis Majoris ...	5-6	1	89.36	3	6 48 47.477	+ 2.5946	+ 0.0010	- 0.0026	1717
1718	Monocerotis ...	6-5	2	85.17	3	6 48 49.284	+ 3.0499	- 0.0007		1718
1719	Canis Majoris ...	7	1	87.10	3	6 48 49.761	+ 2.4757	+ 0.0012		1719
1720	14 Canis Majoris ... θ	4-5	1	87.00	20	6 49 4.711	+ 2.7972	+ 0.0004	- 0.0105	1720
1721	Monocerotis ...	7-6	2	87.14	3	6 49 8.271	+ 3.0356	- 0.0006		1721
1722	Canis Majoris ...	7-6	...	90.50	3	6 49 22.557	+ 2.4800	+ 0.0011		1722
1723	Monocerotis ...	6-7	1	84.46	3	6 49 27.790	+ 3.0117	- 0.0005		1723
1724	16 Canis Majoris ... θ^1	5*	...	91.02	3	6 49 33.980	+ 2.4899	+ 0.0011	- 0.0031	1724
1725	Canis Majoris ...	8	1	91.77	3	6 50 14.159	+ 2.7090	+ 0.0006		1725
1726	17 Canis Majoris ...	6-7	...	89.50	3	6 50 17.634	+ 2.5907	+ 0.0010	- 0.0021	1726
1727	19 Canis Majoris ...	5	4	88.08	3	6 50 51.167	+ 2.5979	+ 0.0009	+ 0.0023	1727
1728	Canis Majoris ...	7-8	2	91.81	3	6 50 52.550	+ 2.5483	+ 0.0011		1728
1729	18 Canis Majoris ... μ	5-6	2	84.20	3	6 51 4.083	+ 2.7498	+ 0.0005	- 0.0018	1729
1730	Canis Majoris ...	6	2	82.63	4	6 51 9.174	+ 2.5245	+ 0.0011	- 0.0005	1730
1731	20 Canis Majoris ... ι	5-4*	...	89.83	3	6 51 13.833	+ 2.6761	+ 0.0007	- 0.0023	1731
1732	Monocerotis ...	7-8	3	91.53	4	6 51 17.740	+ 2.8849	0.0000		1732
1733	Monocerotis ...	8-7	...	91.77	3	6 51 22.768	+ 2.9917	- 0.0005		1733
1734	Monocerotis ...	7-6	1	87.15	3	6 51 42.400	+ 2.8886	0.0000		1734
1735	Canis Majoris ...	7	1	85.75	4	6 52 13.793	+ 2.6167	+ 0.0009		1735
1736	Canis Majoris ...	7	1	84.78	3	6 52 34.741	+ 2.5450	+ 0.0010		1736
1737	Monocerotis ...	7	2	89.42	3	6 52 56.290	+ 2.8391	+ 0.0001		1737
1738	Canis Majoris ...	6	1	85.40	3	6 53 1.503	+ 2.4798	+ 0.0011		1738
1739	Monocerotis ...	7-8	1	91.77	3	6 53 16.251	+ 2.9119	- 0.0003		1739
1740	21 Canis Majoris ... ϵ	2	1	83.79	14	6 54 18.081	+ 2.3574	+ 0.0013	- 0.0011	1740
1741	Puppis ...	5-6	...	85.67	2	6 54 23.306	+ 2.1972	+ 0.0014		1741
1742	Canis Majoris ...	8-7	1	91.52	3	6 54 30.736	+ 2.7761	+ 0.0004		1742
1743	Monocerotis ...	7	3	85.49	3	6 54 54.079	+ 2.9539	- 0.0005		1743
1744	Canis Majoris ...	7-6	2	87.08	3	6 54 57.281	+ 2.5622	+ 0.0009		1744
1745	Monocerotis ...	7-6	3	85.13	3	6 55 6.625	+ 2.8842	- 0.0001		1745
1746	Canis Majoris ...	7	2	83.49	3	6 55 22.270	+ 2.5999	+ 0.0009		1746
1747	Monocerotis ...	7-6	2	85.78	3	6 55 24.099	+ 2.8658	0.0000		1747
1748	Monocerotis ...	8-7	1	92.16	3	6 55 31.803	+ 3.0022	- 0.0007		1748
1749	Canis Majoris ...	7	2	89.52	3	6 55 38.860	+ 2.5491	+ 0.0010		1749
1750	Canis Majoris ...	7-8	1	89.06	3	6 55 39.436	+ 2.7188	+ 0.0004		1750
1751	Canis Majoris ...	7	2	90.13	3	6 55 50.314	+ 2.5878	+ 0.0009		1751
1752	Canis Majoris ...	7-8	2	91.76	3	6 56 3.993	+ 2.6185	+ 0.0009		1752
1753	Monocerotis ...	6-7	2	86.17	3	6 56 17.916	+ 3.0456	- 0.0011		1753
1754	Monocerotis ...	6	3	85.12	4	6 56 32.451	+ 2.9462	- 0.0005		1754
1755	Monocerotis ...	7	3	87.18	3	6 56 38.955	+ 2.8270	+ 0.0001		1755

1714. A star of the 9 magnitude follows about 3^s, and is north. 1715. The magnitude assigned to this star in Weisse's Bessel is 9.
 1716. Reddish-yellow star. 1720. Red star. 1729. Double: the companion is of the 9 magnitude, precedes, and is north.
 1733. A fainter star, Lalande 13443, precedes, and is north. 1748. Reddish star.
 1751. A star of the 8-7 magnitude, Lalande 13626, follows 7^s, and is 2' south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1711	92°14	3	97 37 54.60	+4.154	+0.412				13317	1412			1711
1712	86°81	3	108 53 52.49	+4.212	+0.373				13351				1712
1713	87°84	3	108 47 55.99	+4.216	+0.373				13357				1713
1714	91°85	3	103 3 20.20	+4.232	+0.393				13352				1714
1715	86°13	3	95 42 58.22	+4.233	+0.418				13341	1436			1715
1716	84°09	152	2 46 54.59	+4.235	+4.269	+0.051		21				1180	1716
1717	89°36	3	110 5 19.40	+4.236	+0.368	-0.029	1012	275	13374		3267		1717
1718	85°17	3	90 59 23.60	+4.239	+0.433				13339	1432			1718
1719	87°10	3	114 32 54.31	+4.241	+0.351						3268		1719
1720	86°09	6	101 54 4.50	+4.262	+0.397	+0.003	1011	274	13373		3270	1187	1720
1721	87°14	3	91 37 8.34	+4.266	+0.431				13353				1721
1722	90°50	3	114 24 6.85	+4.288	+0.352				13393		3277		1722
1723	84°46	3	92 39 54.99	+4.295	+0.427				13375	1460			1723
1724	91°02	3	114 2 49.62	+4.303	+0.353	-0.011	1014	279	13406		3279	1188	1724
1725	91°77	3	105 33 49.19	+4.360	+0.384				13421				1725
1726	89°50	3	110 15 54.91	+4.366	+0.367	-0.011	1016	282	13434		3286		1726
1727	88°08	3	109 59 47.89	+4.413	+0.368	-0.035	1018	287	13452		3292		1727
1728	91°81	3	111 53 47.32	+4.416	+0.361								1728
1729	84°20	3	103 54 6.60	+4.431	+0.389	-0.006	1017	286	13450		3294	1190	1729
1730	82°63	4	112 47 59.82	+4.438	+0.357	+0.025			13463				1730
1731	89°83	3	106 54 43.66	+4.446	+0.379	-0.024	1019	289	13460		3296	1191	1731
1732	91°53	4	98 11 26.22	+4.451	+0.408				13453	1524			1732
1733	91°77	3	93 32 53.31	+4.458	+0.424				13449	1521			1733
1734	87°15	3	98 2 6.32	+4.485	+0.409				13464	1538			1734
1735	85°75	4	109 17 30.19	+4.531	+0.370				13486				1735
1736	84°78	3	112 3 26.25	+4.561	+0.359				13510				1736
1737	89°42	3	100 10 8.03	+4.591	+0.401				13505				1737
1738	85°40	3	114 29 15.67	+4.598	+0.350			300			3314		1738
1739	91°77	3	97 2 8.89	+4.619	+0.411					1591			1739
1740	82°52	8	118 49 20.97	+4.707	+0.332	-0.017	1023	304			3331	1196	1740
1741	85°67	2	123 57 47.68	+4.714	+0.310			306			3332		1741
1742	91°52	3	102 51 3.59	+4.725	+0.391								1742
1743	85°49	3	95 13 2.27	+4.758	+0.417				13566	1641			1743
1744	87°08	3	111 27 4.43	+4.762	+0.361				13591				1744
1745	85°13	3	98 15 14.34	+4.776	+0.406				13579	1650			1745
1746	83°49	3	110 0 21.27	+4.798	+0.366								1746
1747	85°78	3	99 2 58.55	+4.800	+0.404					1660			1747
1748	92°16	3	93 5 54.27	+4.812	+0.423				13588	1658			1748
1749	89°52	3	111 57 56.33	+4.821	+0.358				13620				1749
1750	89°06	3	105 14 41.99	+4.821	+0.383				13607				1750
1751	90°13	3	110 29 9.42	+4.837	+0.364				13623				1751
1752	91°76	3	109 17 23.51	+4.857	+0.368				13630				1752
1753	86°17	3	91 11 18.04	+4.877	+0.429				13614				1753
1754	85°12	4	95 33 56.91	+4.897	+0.415				13627			1201	1754
1755	87°18	3	100 43 33.36	+4.906	+0.398				13642				1755

1716, 1740, are respectively 1769, 1870 of the Radcliffe Catalogue, 1845.

1716, 1720, 1727, 1731, 1740, are respectively 718, 738, 741, 742, 744 of the Radcliffe Catalogue, 1860.

1716. There are 64 observations in N.P.D. above pole, and 88 below pole. The seconds of N.P.D. are 54".75 and 54".44 respectively.

The Proper Motions have been taken from Auwers' "Catalog der Fundamental-Sterne."

1730 is 3236 of Auwers' "Neue Reduction der Bradley'schen Beobachtungen."

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
1756	Canis Majoris ...	8-7	1	91°76	3	6 57 39.83	+ 2.6643	+ 0.0007		1756
1757	22 Canis Majoris ...	5-4*	...	87°23	3	6 57 20.035	+ 2.3902	+ 0.0012	- 0.0023	1757
1758	19 Monocerotis ...	6*	...	82°15	3	6 57 27.124	+ 2.9801	- 0.0007	- 0.0014	1758
1759	43 Geminorum ...	ζ	Var.	86°43	19	6 57 35.100	+ 3.5626	- 0.0052	- 0.0011	1759
1760	Canis Majoris ...	7	2	90°15	3	6 57 53.684	+ 2.6881	+ 0.0005		1760
1761	Monocerotis ...	8	2	92°17	3	6 58 14.099	+ 2.9192	- 0.0005		1761
1762	24 Canis Majoris ...	0 ²	4-3	85°16	3	6 58 25.753	+ 2.5054	+ 0.0010	- 0.0016	1762
1763	Monocerotis ...	6-5	1	85°22	3	6 58 40.293	+ 2.9557	- 0.0006		1763
1764	Monocerotis ...	7-6	2	86°46	3	6 58 44.491	+ 2.8454	- 0.0001		1764
1765	23 Canis Majoris ...	γ	4-5	86°86	42	6 58 46.852	+ 2.7146	+ 0.0004	- 0.0018	1765
1766	Canis Majoris ...	7-8	...	91°81	3	6 58 48.191	+ 2.7755	+ 0.0002		1766
1767	Monocerotis ...	7	1	89°69	3	6 59 16.164	+ 2.8845	- 0.0003		1767
1768	Canis Majoris ...	8	1	92°06	3	6 59 58.332	+ 2.7552	+ 0.0003		1768
1769	Canis Majoris ...	7-6	2	88°32	3	7 0 5.917	+ 2.5544	+ 0.0009		1769
1770	Canis Majoris ...	7-8	2	89°86	3	7 0 9.089	+ 2.5855	+ 0.0009		1770
1771	Canis Majoris ...	7-8	2	92°16	3	7 0 23.351	+ 2.5696	+ 0.0008		1771
1772	Monocerotis ...	7	5	87°16	3	7 0 38.045	+ 2.8335	- 0.0001		1772
1773	Monocerotis ...	8-7	...	92°11	3	7 0 57.135	+ 3.0061	- 0.0010		1773
1774	Canis Majoris ...	7	2	83°17	3	7 1 28.886	+ 2.7932	+ 0.0001		1774
1775	Canis Majoris ...	6	2	84°12	3	7 1 30.728	+ 2.8190	- 0.0001		1775
1776	Monocerotis ...	8-9	...	91°79	3	7 2 5.450	+ 2.9387	- 0.0007		1776
1777	Monocerotis ...	7	3	85°74	3	7 2 8.270	+ 2.8497	- 0.0002		1777
1778	Canis Majoris ...	7-6	1	86°80	3	7 2 19.936	+ 2.4777	+ 0.0010		1778
1779	Canis Majoris ...	7-6	2	84°18	3	7 2 46.604	+ 2.5084	+ 0.0010		1779
1780	Canis Majoris ...	7	1	89°10	3	7 3 37.141	+ 2.5871	+ 0.0008		1780
1781	25 Canis Majoris ...	δ	2*	83°85	3	7 3 54.968	+ 2.4395	+ 0.0011	- 0.0015	1781
1782	Monocerotis ...	7-8	1	88°84	3	7 4 2.793	+ 2.8894	- 0.0004		1782
1783	Monocerotis ...	7-6	2	86°17	3	7 4 7.682	+ 2.8420	- 0.0002		1783
1784	Monocerotis ...	7-8	1	91°83	3	7 4 9.007	+ 2.9404	- 0.0008		1784
1785	Canis Majoris ...	7-8	2	89°20	3	7 4 13.818	+ 2.5040	+ 0.0010		1785
1786	Canis Majoris ...	7-8	3	87°19	3	7 4 35.844	+ 2.7268	+ 0.0003		1786
1787	Canis Majoris ...	6-7	3	84°15	5	7 4 35.939	+ 2.7029	+ 0.0003		1787
1788	20 Monocerotis ...	6-5	2	84°90	3	7 4 45.859	+ 2.9812	- 0.0010	- 0.0003	1788
1789	Canis Majoris ...	7-8	1	89°45	3	7 4 52.745	+ 2.7658	+ 0.0001		1789
1790	Canis Majoris ...	7	3	84°15	5	7 4 55.075	+ 2.7031	+ 0.0003		1790
1791	Monocerotis ...	8-9	...	91°98	3	7 5 5.496	+ 3.0352	- 0.0014		1791
1792	Canis Majoris ...	6-5	...	84°19	3	7 5 11.003	+ 2.4727	+ 0.0010		1792
1793	Canis Majoris ...	8	2	92°14	3	7 5 11.790	+ 2.6204	+ 0.0007		1793
1794	Monocerotis ...	7-8	4	87°09	3	7 5 14.402	+ 2.8992	- 0.0005		1794
1795	Canis Majoris ...	7	1	85°16	3	7 5 18.530	+ 2.6431	+ 0.0006		1795
1796	Monocerotis ...	7-6	3	83°51	3	7 5 34.412	+ 2.9892	- 0.0011		1796
1797	21 Monocerotis ...	6-7	2	85°21	3	7 5 46.293	+ 3.0698	- 0.0016	- 0.0021	1797
1798	Monocerotis ...	8-7	2	90°15	3	7 6 8.414	+ 2.8408	- 0.0003		1798
1799	22 Monocerotis ...	5-6	1	84°19	3	7 6 14.819	+ 3.0655	- 0.0017	- 0.0014	1799
1800	18 Lynceis ...	6*	...	89°81	4	7 6 18.327	+ 5.2769	- 0.0384	- 0.0158	1800

1759. Reddish-yellow star. The limits of magnitude are 3.7 and 4.5 : the period is 10 days.
 1775. A star of the 8 magnitude, Lalande 13821, follows 16^s, and is 2' south.
 1776. The R. A. given in Weisse's Bessel for this star appears to be 10^s too great.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
1756	91.76	3	107 29 11.91	+4.942	+0.375				13663				1756
1757	87.23	3	117 46 39.63	+4.964	+0.336	+0.012	1027	320			3370	1203	1757
1758	82.15	3	94 4 48.64	+4.974	+0.419	-0.028	1026	315	13658	1726	3372		1758
1759	81.94	4	69 16 7.79	+4.986	+0.501	-0.001	1024	312	13635			1206	1759
1760	90.15	3	106 32 23.39	+5.012	+0.377				13692				1760
1761	92.17	3	96 45 27.04	+5.041	+0.410					1758			1761
1762	85.16	3	113 40 23.07	+5.058	+0.351	-0.018	1029	323	13714		3383	1207	1762
1763	85.22	3	95 9 42.43	+5.077	+0.415				13706				1763
1764	86.46	3	99 57 42.52	+5.083	+0.399								1764
1765	83.16	10	105 28 16.74	+5.087	+0.381	+0.003	1028	325	13717		3385	1210	1765
1766	91.81	3	102 56 4.71	+5.089	+0.389					1779			1766
1767	89.69	3	98 16 38.83	+5.128	+0.405				13727				1767
1768	92.06	3	103 48 9.19	+5.187	+0.386					1827			1768
1769	88.32	3	111 51 57.06	+5.199	+0.358				13773			1214	1769
1770	89.86	3	110 39 55.59	+5.203	+0.362				13774				1770
1771	92.16	3	111 17 7.84	+5.223	+0.360				13782				1771
1772	87.12	4	100 29 36.00	+5.244	+0.397				13776				1772
1773	92.11	3	92 56 51.04	+5.270	+0.421				13780				1773
1774	83.17	3	102 13 30.52	+5.315	+0.391				13810				1774
1775	84.12	3	101 7 29.11	+5.318	+0.394				13811	1883		1216	1775
1776	91.79	3	95 55 48.90	+5.366	+0.411					1909			1776
1777	85.74	3	99 48 51.15	+5.370	+0.398					1908			1777
1778	86.80	3	114 47 25.58	+5.387	+0.346						3424		1778
1779	84.18	3	113 40 8.93	+5.425	+0.350				13877		3429		1779
1780	89.10	3	110 41 7.20	+5.495	+0.360				13897				1780
1781	83.85	3	116 13 9.97	+5.520	+0.340	-0.007	1042	2			3438	1222	1781
1782	88.84	3	98 6 30.10	+5.532	+0.403					35			1782
1783	86.17	3	100 10 14.75	+5.539	+0.396				13904	40			1783
1784	91.83	3	95 52 3.95	+5.540	+0.410				13896				1784
1785	89.20	3	113 52 6.06	+5.547	+0.349						3441		1785
1786	87.19	3	105 3 59.59	+5.578	+0.380				13925				1786
1787	84.15	5	106 3 27.57	+5.578	+0.376				13928			1225	1787
1788	84.90	3	94 3 57.60	+5.592	+0.415	-0.207	1041	4	13921	59	3446		1788
1789	89.45	3	103 26 17.45	+5.602	+0.385								1789
1790	84.15	5	106 3 25.88	+5.604	+0.376				13938			1226	1790
1791	91.98	3	91 39 50.83	+5.620	+0.423				13926				1791
1792	84.19	3	115 3 12.01	+5.627	+0.344			13			3451		1792
1793	92.14	3	109 24 26.42	+5.628	+0.364								1793
1794	87.09	3	97 41 31.33	+5.631	+0.403				13941	81			1794
1795	85.16	3	108 30 25.95	+5.638	+0.368				13956				1795
1796	83.51	3	93 43 4.87	+5.659	+0.416				13948				1796
1797	85.21	3	90 7 14.94	+5.676	+0.427	-0.003	1045	7	13949	95	3456		1797
1798	90.15	3	100 14 52.12	+5.707	+0.395				13980				1798
1799	84.19	3	90 18 39.77	+5.716	+0.426	-0.027	1047	15	13971	114	3461	1232	1799
1800	87.91	4	30 10 3.30	+5.721	+0.735	+0.258	1031	340				1228	1800

1757, 1759, 1781, 1800, are respectively 1878, 1877, 1902, 1903 of the Radcliffe Catalogue, 1845.

1757, 1759, 1765, 1781, 1788, 1800, are respectively 754, 753, 756, 762, 764, 766 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
1801	Canis Majoris	7	2	87.64	3	7	6	30.736	+ 2.6772	+ 0.0004		1801
1802	Canis Majoris	8-7	1	91.79	3	7	6	38.769	+ 2.5648	+ 0.0008		1802
1803	Canis Majoris	6-7	1	85.38	3	7	6	56.858	+ 2.5887	+ 0.0007		1803
1804	51 Geminorum	6-5	3	86.03	14	7	7	3.294	+ 3.4479	- 0.0050	+ 0.0003	1804
1805	26 Canis Majoris	6-7	2	84.63	2	7	7	41.952	+ 2.4554	+ 0.0010	- 0.0013	1805
1806	Camelopardali	5	...	90.16	3	7	7	53.934	+ 12.9455	- 0.5058		1806
1807	Canis Majoris	6-7	2	82.16	3	7	7	56.783	+ 2.8224	- 0.0002		1807
1808	Monocerotis	7-6	2	83.19	3	7	8	42.441	+ 2.9896	- 0.0012		1808
1809	Canis Majoris	6-7	2	86.49	3	7	8	43.911	+ 2.5438	+ 0.0008		1809
1810	Monocerotis	6-7	3	83.48	3	7	9	1.823	+ 2.8529	- 0.0004		1810
1811	Canis Majoris	7	...	90.51	3	7	9	9.125	+ 2.5381	+ 0.0009		1811
1812	Monocerotis	7-6	2	85.14	3	7	9	15.437	+ 2.8445	- 0.0003		1812
1813	Monocerotis	8-7	1	91.46	3	7	9	29.249	+ 3.0138	- 0.0014		1813
1814	24 Monocerotis	7-6	4	86.53	3	7	9	41.588	+ 3.0731	- 0.0018	- 0.0020	1814
1815	Canis Majoris	7-8	2	90.84	3	7	9	44.755	+ 2.6133	+ 0.0006		1815
1816	27 Canis Majoris	6-5*	...	87.95	4	7	9	46.022	+ 2.4459	+ 0.0010	- 0.0022	1816
1817	Canis Majoris	7-8	2	90.15	3	7	10	6.884	+ 2.7447	+ 0.0001		1817
1818	Monocerotis	7-6	3	84.14	3	7	10	30.777	+ 2.8389	- 0.0004		1818
1819	Canis Majoris	8	1	92.08	3	7	10	48.677	+ 2.7817	- 0.0001	- 0.0350	1819
1820	Canis Majoris	5-6	...	85.70	2	7	11	5.541	+ 2.3228	+ 0.0012		1820
1821	Canis Majoris	7	2	86.18	3	7	11	10.345	+ 2.5178	+ 0.0009		1821
1822	Canis Majoris	6	1	85.22	3	7	11	15.475	+ 2.7221	+ 0.0001		1822
1823	Canis Majoris	8	2	91.85	3	7	11	18.002	+ 2.6809	+ 0.0004		1823
1824	54 Geminorum	4-3*	...	83.99	5	7	11	46.299	+ 3.4550	- 0.0056	- 0.0039	1824
1825	Canis Majoris	7-8	2	88.50	3	7	11	58.104	+ 2.8060	- 0.0002		1825
1826	Canis Majoris	6-5	3	87.13	3	7	11	58.423	+ 2.5296	+ 0.0008		1826
1827	Canis Majoris	7-8	1	87.22	3	7	12	0.283	+ 2.5297	+ 0.0008		1827
1828	Monocerotis	7-8	...	92.05	3	7	12	7.568	+ 2.9473	- 0.0011		1828
1829	Monocerotis	7-6	3	85.43	3	7	12	9.874	+ 2.9280	- 0.0010		1829
1830	Canis Majoris	7-8	2	89.39	3	7	12	20.256	+ 2.5849	+ 0.0007		1830
1831	Canis Minoris	7-8	3	87.81	3	7	12	47.216	+ 3.2665	- 0.0036		1831
1832	Monocerotis	8	2	91.73	3	7	13	18.860	+ 2.9081	- 0.0008		1832
1833	Monocerotis	7-8	...	92.10	3	7	13	24.804	+ 2.8732	- 0.0006		1833
1834	Canis Majoris	7	1	89.52	3	7	13	31.008	+ 2.5563	+ 0.0008		1834
1835	55 Geminorum	3-4	2	86.80	22	7	13	33.209	+ 3.5898	- 0.0073	- 0.0025	1835
1836	29 Canis Majoris	5-6	1	87.65	3	7	14	5.454	+ 2.4986	+ 0.0009	- 0.0024	1836
1837	30 Canis Majoris	5	2	86.17	3	7	14	8.749	+ 2.4880	+ 0.0008	- 0.0018	1837
1838	Canis Majoris	7	1	85.02	3	7	14	12.152	+ 2.6341	+ 0.0005		1838
1839	Canis Majoris	7	2	83.87	3	7	14	23.944	+ 2.6773	+ 0.0003		1839
1840	Canis Majoris	R Var.	...	85.13	3	7	14	29.268	+ 2.7047	+ 0.0001		1840
1841	Monocerotis	7	...	90.13	3	7	14	37.924	+ 2.9903	- 0.0015		1841
1842	Monocerotis	8-9	3	91.11	3	7	15	37.126	+ 2.8582	- 0.0006		1842
1843	Canis Majoris	6	3	83.05	3	7	15	55.430	+ 2.7537	- 0.0001		1843
1844	Monocerotis	7-6	2	84.15	3	7	15	59.923	+ 2.8798	- 0.0007		1844
1845	Monocerotis	7	4	86.80	3	7	16	10.626	+ 2.9466	- 0.0012		1845

1802. A star of the 9 magnitude precedes about 1^s, and is south.1830. A star of the 8-9 magnitude, Lalande 14230, follows 19^s.5, and is about 30" south.

1835. Double: the faint companion precedes, and is south.

1840. A variable of the Algol type: the limits of magnitude are 5.9 and 6.7: the period is 1^d 3^h.

1826. Yellowish-red star.

1829. Reddish star.

1831. Reddish-yellow star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1801	87.53	4	107 8 58.56	+ 5.739	+ 0.372				14006				1801
1802	91.79	3	111 37 18.17	+ 5.750	+ 0.356				14018				1802
1803	85.38	3	110 42 4.09	+ 5.775	+ 0.359				14024			1234	1803
1804	83.37	5	73 39 17.50	+ 5.784	+ 0.479	+ 0.033	1046	17	13978		3467	1233	1804
1805	84.63	2	115 45 32.06	+ 5.838	+ 0.340	- 0.010	1053	31			3476	1236	1805
1806	82.69	8	7 22 43.69	+ 5.855	+ 1.803			292				1231	1806
1807	82.16	3	101 3 58.26	+ 5.859	+ 0.391			27	14046	183	3479		1807
1808	83.19	3	93 42 49.19	+ 5.921	+ 0.414				14066	204			1808
1809	86.49	3	112 29 9.68	+ 5.924	+ 0.352				14088				1809
1810	83.48	3	99 45 33.08	+ 5.949	+ 0.395				14083				1810
1811	90.51	3	112 43 4.35	+ 5.959	+ 0.351				14105				1811
1812	85.14	3	100 7 38.42	+ 5.967	+ 0.393				14091			1241	1812
1813	91.46	3	92 38 0.92	+ 5.987	+ 0.417				14090				1813
1814	86.53	3	89 58 15.12	+ 6.004	+ 0.425	- 0.008	1055	38	14093				1814
1815	90.84	3	109 48 6.71	+ 6.009	+ 0.361				14118				1815
1816	90.23	3	116 9 47.20	+ 6.011	+ 0.338	- 0.050	1059	45			3499	1242	1816
1817	90.15	3	104 25 7.38	+ 6.040	+ 0.379				14121	250			1817
1818	84.14	3	100 23 29.17	+ 6.073	+ 0.392			46	14131	260	3510		1818
1819	92.08	3	102 51 43.66	+ 6.098	+ 0.384	- 0.150			14146				1819
1820	85.70	2	120 29 40.64	+ 6.122	+ 0.320						3516		1820
1821	86.18	3	113 32 51.14	+ 6.127	+ 0.347						3517		1821
1822	85.22	3	105 23 29.44	+ 6.134	+ 0.375				14170			1249	1822
1823	91.85	3	107 6 10.06	+ 6.138	+ 0.370								1823
1824	83.99	5	73 15 42.37	+ 6.177	+ 0.477	+ 0.026	1058	50	14139			1250	1824
1825	88.50	3	101 50 10.49	+ 6.194	+ 0.387				14183				1825
1826	87.16	4	113 7 13.61	+ 6.194	+ 0.348				14200			1251	1826
1827	87.16	4	113 7 0.96	+ 6.197	+ 0.348				14202			1252	1827
1828	92.05	3	95 37 33.88	+ 6.208	+ 0.406					311			1828
1829	85.43	3	96 29 2.01	+ 6.211	+ 0.403			56	14184	312	3531		1829
1830	89.39	3	110 59 25.29	+ 6.224	+ 0.356				14210				1830
1831	87.81	3	81 18 48.93	+ 6.262	+ 0.450				14186				1831
1832	91.73	3	97 22 55.28	+ 6.306	+ 0.400				14236				1832
1833	92.10	3	98 55 29.36	+ 6.315	+ 0.395					351			1833
1834	89.70	4	112 8 24.97	+ 6.323	+ 0.351				14253				1834
1835	82.16	18	67 48 56.15	+ 6.326	+ 0.494	- 0.003	1062	57	14197		3551	1256	1835
1836	87.65	3	114 21 29.81	+ 6.370	+ 0.343	- 0.012	1067	71			3560	1259	1836
1837	86.17	3	114 45 13.80	+ 6.375	+ 0.341	- 0.031	1069	72			3562		1837
1838	85.02	3	109 4 46.25	+ 6.380	+ 0.362				14277				1838
1839	83.87	3	107 19 23.77	+ 6.396	+ 0.367				14281				1839
1840	85.13	3	106 11 20.36	+ 6.403	+ 0.371								1840
1841	90.13	3	93 42 42.69	+ 6.415	+ 0.410				14269				1841
1842	91.11	3	99 36 55.69	+ 6.497	+ 0.392					418			1842
1843	83.05	3	104 9 18.42	+ 6.522	+ 0.377				14329	427			1843
1844	84.15	3	98 40 3.00	+ 6.529	+ 0.394				14323			1263	1844
1845	86.66	4	95 41 26.30	+ 6.543	+ 0.403				14326				1845

1804, 1806, 1816, 1835, are respectively 1910, 1887, 1924, 1936 of the Radcliffe Catalogue, 1845.
 1804, 1816, 1820, 1824, 1835, are respectively 770, 779, 782, 784, 786 of the Radcliffe Catalogue, 1860.
 1819. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
1846	Canis Majoris	7	1	89.86	3	7	16	13.056	+ 2.5453	+ 0.0008		1846
1847	Geminorum	7-6	1	83.44	3	7	16	41.031	+ 3.4946	- 0.0065		1847
1848	Monocerotis	7-6	...	85.41	3	7	16	45.493	+ 2.8777	- 0.0007		1848
1849	Monocerotis	7-6	2	88.14	3	7	16	47.480	+ 3.0114	- 0.0016		1849
1850	Monocerotis	7	2	89.16	3	7	16	53.312	+ 3.0714	- 0.0021		1850
1851	Monocerotis	6	2	85.23	3	7	17	1.709	+ 2.9449	- 0.0012		1851
1852	Canis Majoris	7-8	1	89.86	3	7	17	21.633	+ 2.7083	+ 0.0001		1852
1853	Canis Majoris	6-5	2	83.42	3	7	17	22.851	+ 2.6429	+ 0.0005		1853
1854	Canis Majoris	7-8	1	91.85	3	7	18	36.961	+ 2.6138	+ 0.0005		1854
1855	Puppis	6	...	85.65	2	7	19	20.170	+ 2.2870	+ 0.0011		1855
1856	Canis Majoris	8	1	92.16	3	7	19	20.336	+ 2.8055	- 0.0003		1856
1857	Canis Majoris	7	1	89.75	3	7	19	24.911	+ 2.6607	+ 0.0004		1857
1858	Canis Majoris	7-6	3	84.20	3	7	19	37.051	+ 2.5467	+ 0.0007		1858
1859	Canis Majoris	6	...	84.48	3	7	19	41.731	+ 2.7124	+ 0.0001		1859
1860	Canis Majoris	7	1	89.16	3	7	19	59.886	+ 2.6449	+ 0.0004		1860
1861	Canis Majoris	6-7	4	85.31	4	7	20	5.195	+ 2.7701	- 0.0002		1861
1862	Canis Majoris	7-8	1	90.72	3	7	20	22.844	+ 2.5916	+ 0.0007		1862
1863	Monocerotis	6-7	2	88.82	3	7	20	26.861	+ 2.9504	- 0.0013		1863
1864	61 Geminorum	6*	...	86.91	3	7	20	27.390	+ 3.5413	- 0.0075	- 0.0019	1864
1865	Monocerotis	7	2	87.67	4	7	20	35.999	+ 2.9777	- 0.0015		1865
1866	Monocerotis	9-8	2	90.45	3	7	20	36.962	+ 2.9781	- 0.0016		1866
1867	Canis Majoris	7-6	3	90.37	3	7	20	37.031	+ 2.5714	+ 0.0006		1867
1868	Monocerotis	8	3	92.43	3	7	20	51.028	+ 2.8765	- 0.0008		1868
1869	Canis Majoris	6-7	...	90.84	3	7	20	51.539	+ 2.4875	+ 0.0009		1869
1870	Monocerotis	7	3	85.88	3	7	20	57.138	+ 3.0670	- 0.0023		1870
1871	Monocerotis	8-7	1	92.43	4	7	21	5.452	+ 2.9151	- 0.0012		1871
1872	3 Canis Minoris	3*	...	86.40	32	7	21	11.146	+ 3.2601	- 0.0041	- 0.0042	1872
1873	Monocerotis	7-8	1	91.82	3	7	21	11.463	+ 2.8543	- 0.0007		1873
1874	63 Geminorum	6-5*	...	85.54	3	7	21	12.606	+ 3.5707	- 0.0080	- 0.0049	1874
1875	Canis Minoris	8-9	3	87.84	3	7	21	23.345	+ 3.2704	- 0.0042		1875
1876	62 Geminorum	5*	...	92.13	3	7	22	2.144	+ 3.8550	- 0.0126	+ 0.0093	1876
1877	Canis Majoris	7	...	89.91	3	7	22	2.550	+ 2.5283	+ 0.0007		1877
1878	Canis Majoris	6-7	2	83.08	3	7	22	13.785	+ 2.6744	+ 0.0003		1878
1879	Puppis	6-7	3	85.54	3	7	22	19.533	+ 2.5447	+ 0.0008		1879
1880	Monocerotis	7	1	89.49	3	7	22	28.274	+ 3.0144	- 0.0019		1880
1881	Puppis	6	...	81.21	1	7	22	36.816	+ 2.2313	+ 0.0011		1881
1882	Puppis	6	2	85.26	3	7	22	41.310	+ 2.8218	- 0.0006		1882
1883	Puppis	7-6	1	89.20	3	7	23	2.082	+ 2.5512	+ 0.0007		1883
1884	Monocerotis	7	2	89.84	3	7	23	20.193	+ 2.8563	- 0.0007		1884
1885	Monocerotis	6	2	85.21	3	7	23	44.974	+ 3.0359	- 0.0021		1885
1886	Monocerotis	6-7	2	86.16	3	7	24	4.914	+ 2.9120	- 0.0012	+ 0.0030	1886
1887	Monocerotis	6	1	89.19	3	7	24	8.611	+ 2.8502	- 0.0007		1887
1888	Puppis	8-7	2	91.76	3	7	24	12.913	+ 2.7865	- 0.0004		1888
1889	Puppis	8-9	3	84.15	2	7	24	21.365	+ 2.7438	- 0.0002	- 0.0140	1889
1890	Puppis	7	3	83.85	3	7	24	21.449	+ 2.7438	- 0.0002	- 0.0140	1890

1851. This star appears to be Lalande 14355.

1879. A star of the 8-7 magnitude, Lalande 14541, precedes about 20^s, and has nearly the same N. P. D.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1846	89°86	3	112 38 40·67	+ 6·547	+ 0·348				14351				1846
1847	83°44	3	71 30 57·11	+ 6·585	+ 0·479			77	14316			1264	1847
1848	85°41	3	98 46 18·21	+ 6·591	+ 0·394			85	14352		3588	1267	1848
1849	88°14	3	92 46 14·82	+ 6·593	+ 0·412				14345	450			1849
1850	89°16	3	90 3 1·28	+ 6·602	+ 0·420				14346	453			1850
1851	85°23	3	95 46 25·28	+ 6·614	+ 0·403			86		457	3590	1268	1851
1852	89°86	3	106 6 10·10	+ 6·642	+ 0·370								1852
1853	83°42	3	108 48 25·89	+ 6·643	+ 0·361				14382			1269	1853
1854	91°85	3	110 1 6·03	+ 6·745	+ 0·356				14415				1854
1855	85°65	2	121 59 21·91	+ 6·804	+ 0·311			102			3619		1855
1856	92°16	3	101 59 13·71	+ 6·804	+ 0·382				14425	536			1856
1857	89°75	3	108 8 7·62	+ 6·811	+ 0·362				14433				1857
1858	84°20	3	112 41 54·46	+ 6·827	+ 0·346				14446				1858
1859	84°48	3	105 59 8·65	+ 6·834	+ 0·369			100	14442		3625	1276	1859
1860	89°16	3	108 47 47·82	+ 6·859	+ 0·359				14457				1860
1861	85°31	4	103 32 8·57	+ 6·866	+ 0·377				14451				1861
1862	90°72	3	110 57 26·29	+ 6·890	+ 0·352				14480				1862
1863	88°82	3	95 33 27·22	+ 6·896	+ 0·401				14456				1863
1864	86°91	3	69 31 23·26	+ 6·896	+ 0·482	+ 0·011	1076	98	14426			1279	1864
1865	87°67	4	94 19 8·17	+ 6·908	+ 0·405					564			1865
1866	90°45	3	94 18 12·40	+ 6·909	+ 0·405					566			1866
1867	90°37	3	111 45 56·82	+ 6·909	+ 0·349				14490				1867
1868	92°43	3	98 52 42·14	+ 6·929	+ 0·391				14482				1868
1869	90°84	3	115 0 0·54	+ 6·930	+ 0·337						3637		1869
1870	85°88	3	90 15 0·93	+ 6·936	+ 0·417				14472				1870
1871	92°43	4	97 9 17·09	+ 6·948	+ 0·396					584			1871
1872	80°58	5	81 29 21·58	+ 6·956	+ 0·443	+ 0·030	1079	106	14466	573	3642	1282	1872
1873	91°82	3	99 52 13·14	+ 6·956	+ 0·387					592			1873
1874	85°54	3	68 19 49·00	+ 6·959	+ 0·485	+ 0·101	1077	101				1281	1874
1875	87°84	3	81 1 32·86	+ 6·972	+ 0·444				14478	580			1875
1876	88°46	3	57 59 50·58	+ 7·026	+ 0·524	- 0·194	1078	105	14463			1284	1876
1877	89°91	3	113 29 31·61	+ 7·027	+ 0·342						3648		1877
1878	83°08	3	107 38 36·96	+ 7·042	+ 0·362				14545			1286	1878
1879	85°54	3	112 51 53·88	+ 7·049	+ 0·344				14552				1879
1880	89°49	3	92 39 33·20	+ 7·061	+ 0·408				14531				1880
1881	81°50	2	123 55 12·70	+ 7·073	+ 0·302			119			3655		1881
1882	85°26	3	101 20 2·54	+ 7·079	+ 0·382			116	14551	641	3653	1288	1882
1883	89°20	3	112 38 10·25	+ 7·107	+ 0·345				14578				1883
1884	89°84	3	99 49 8·92	+ 7·132	+ 0·386					664			1884
1885	85°21	3	91 40 44·90	+ 7·166	+ 0·410					669		1290	1885
1886	86°16	3	97 19 43·28	+ 7·193	+ 0·393	- 0·140		120	14594	686	3666		1886
1887	89°19	3	100 6 0·10	+ 7·199	+ 0·385				14599				1887
1888	91°76	3	102 54 45·86	+ 7·204	+ 0·376				14606				1888
1889	83°85	3	104 45 51·33	+ 7·215	+ 0·370	+ 0·230			14619				1889
1890	83°85	3	104 45 53·25	+ 7·216	+ 0·370	+ 0·230			14619				1890

1872, 1876, 1882, are respectively 793, 794, 796 of the Radcliffe Catalogue, 1860.
1886, 1889, 1890. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
1891	Puppis	9-8	2	91°52	3	7	24	47.666	+ 2.6361	+ 0.0004		1891
1892	Puppis	7-8	1	89°86	3	7	24	49.930	+ 2.7673	- 0.0002		1892
1893	Puppis	6-5	3	87°08	3	7	25	10.901	+ 2.5490	+ 0.0007		1893
1894	Puppis	7	...	90°22	3	7	25	12.114	+ 2.6364	+ 0.0005		1894
1895	Puppis	8	1	92°10	3	7	25	14.723	+ 2.6955	+ 0.0001		1895
1896	Monocerotis	6-7	3	82°16	3	7	25	25.374	+ 2.9636	- 0.0016		1896
1897	Monocerotis	7	3	82°84	3	7	25	25.974	+ 3.0304	- 0.0021		1897
1898	Monocerotis ... U	Var.	2	86°17	3	7	25	32.656	+ 2.8631	- 0.0008		1898
1899	Puppis	8	1	92°45	3	7	25	40.214	+ 2.6052	+ 0.0006		1899
1900	Monocerotis	7-6	1	85°13	3	7	25	41.690	+ 3.0531	- 0.0023		1900
1901	Monocerotis	7	2	84°55	3	7	25	44.630	+ 2.8558	- 0.0008		1901
1902	Puppis	7-8	...	89°71	3	7	26	17.958	+ 2.7456	- 0.0002		1902
1903	Monocerotis	8-9	1	92°15	3	7	26	30.490	+ 2.9905	- 0.0019		1903
1904	Monocerotis	7	2	87°17	3	7	26	34.099	+ 2.9483	- 0.0015		1904
1905	Monocerotis	6-7	3	83°50	3	7	26	49.380	+ 2.8837	- 0.0010	- 0.0050	1905
1906	Puppis	9-8	3	92°48	3	7	27	13.748	+ 2.8242	- 0.0007		1906
1907	Monocerotis	7-6	1	85°20	3	7	27	16.048	+ 3.0334	- 0.0023		1907
1908	68 Geminorum	6	1	86°39	3	7	27	19.836	+ 3.4298	- 0.0068	- 0.0023	1908
1909	Puppis	7-8	...	92°48	3	7	27	30.383	+ 2.6690	+ 0.0002		1909
1910	66 Geminorum ... α^1	3-2	...	88°46	3	7	27	34.507	+ 3.8515	- 0.0136	- 0.0151	1910
1911	66 Geminorum ... α^2	2	...	85°96	13	7	27	34.881	+ 3.8515	- 0.0136	- 0.0151	1911
1912	Monocerotis	7-8	...	92°04	3	7	28	10.093	+ 2.9425	- 0.0016		1912
1913	Puppis	7-6	1	90°10	3	7	28	18.454	+ 2.7616	- 0.0003		1913
1914	Puppis	6-7	2	90°49	3	7	28	28.647	+ 2.6419	+ 0.0004		1914
1915	Puppis	7-6	1	89°89	3	7	28	33.710	+ 2.5088	+ 0.0008		1915
1916	Puppis	6-5*	...	84°50	3	7	28	44.766	+ 2.7573	- 0.0002		1916
1917	Puppis	8	3	92°19	3	7	29	1.381	+ 2.7913	- 0.0005		1917
1918	Puppis	7	1	89°89	3	7	29	14.577	+ 2.7189	0.0000		1918
1919	Puppis	5	2	88°17	3	7	29	20.617	+ 2.5714	+ 0.0007		1919
1920	Puppis	7	1	89°57	3	7	29	24.181	+ 2.6249	+ 0.0004		1920
1921	Puppis	7	2	90°48	3	7	29	24.303	+ 2.7726	- 0.0003		1921
1922	Puppis n^1	7-6	...	81°16	4	7	29	39.740	+ 2.5419	+ 0.0007		1922
1923	Puppis n^2	7	...	81°16	4	7	29	40.260	+ 2.5419	+ 0.0007		1923
1924	Monocerotis	8-7	1	91°46	3	7	30	32.599	+ 3.0097	- 0.0021	- 0.0210	1924
1925	Monocerotis	6-7	3	82°48	3	7	30	57.723	+ 2.8977	- 0.0012		1925
1926	Puppis	6-7	4	85°30	4	7	31	0.366	+ 2.7594	- 0.0003		1926
1927	Puppis	7-6	2	89°52	3	7	31	23.975	+ 2.5768	+ 0.0006		1927
1928	Puppis	7-8	5	86°21	4	7	31	31.994	+ 2.7599	- 0.0004		1928
1929	Puppis	7-8	5	86°21	4	7	31	32.474	+ 2.7599	- 0.0004		1929
1930	Puppis	7	6	87°11	3	7	31	37.487	+ 2.7609	- 0.0004		1930
1931	25 Monocerotis	6	3	84°09	3	7	31	48.510	+ 2.9893	- 0.0020	- 0.0080	1931
1932	Puppis	6-7	2	85°19	3	7	31	50.912	+ 2.6376	+ 0.0003		1932
1933	Puppis	7	2	89°58	3	7	32	14.815	+ 2.5967	+ 0.0005		1933
1934	Monocerotis	7-8	1	90°50	3	7	32	29.635	+ 2.9278	- 0.0016		1934
1935	Puppis	7-8	1	90°16	3	7	32	35.031	+ 2.7616	- 0.0003		1935

1898. The limits of magnitude are 5.9 and 8.0: the period is 45 days.
1904. Reddish star. The R. A. given in Weisse's Bessel for this star is 10° too small.
1925. Two stars of the 8 magnitude precede, one is north, and the other south, of the star observed.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1891	91°52	3	109 17 50.32	+ 7.252	+ 0.355								1891
1892	89°86	3	103 45 42.02	+ 7.254	+ 0.373								1892
1893	87°08	3	112 47 45.75	+ 7.283	+ 0.343							1291	1893
1894	90°22	3	109 17 53.19	+ 7.284	+ 0.355				14698				1894
1895	92°10	3	106 50 25.12	+ 7.288	+ 0.363				14656				1895
1896	82°16	3	94 59 48.12	+ 7.302	+ 0.399				14647	733			1896
1897	82°84	3	91 56 4.83	+ 7.303	+ 0.409				14645	727			1897
1898	86°17	3	99 32 49.11	+ 7.313	+ 0.386				14658	737			1898
1899	92°45	3	110 34 43.63	+ 7.322	+ 0.351								1899
1900	85°13	3	90 53 41.44	+ 7.325	+ 0.411				14652				1900
1901	84°55	3	99 52 36.52	+ 7.329	+ 0.385				14662	743			1901
1902	89°71	3	104 44 1.80	+ 7.374	+ 0.369				14693				1902
1903	92°15	3	93 46 34.78	+ 7.391	+ 0.402					764			1903
1904	87°17	3	95 42 35.11	+ 7.396	+ 0.396					762			1904
1905	83°50	3	98 38 33.80	+ 7.416	+ 0.388	+ 0.150			14706	777			1905
1906	92°48	3	101 18 39.00	+ 7.450	+ 0.379								1906
1907	85°20	3	91 47 58.20	+ 7.452	+ 0.408				14710	787			1907
1908	86°39	3	73 56 14.32	+ 7.458	+ 0.461	+ 0.005	1091	131	14691			1297	1908
1909	92°48	3	108 1 1.97	+ 7.471	+ 0.358				14740				1909
1910	81°71	3	57 52 17.86	+ 7.478	+ 0.518	+ 0.079	1087	127	14673			1298	1910
1911	81°28	14	57 52 14.48	+ 7.478	+ 0.518	+ 0.079	1087	128	14673		3696	1299	1911
1912	92°04	3	95 59 25.20	+ 7.526	+ 0.394				14750	813			1912
1913	90°10	3	104 6 6.75	+ 7.536	+ 0.370				14760	820			1913
1914	90°49	3	109 10 25.05	+ 7.551	+ 0.354								1914
1915	89°89	3	114 28 28.44	+ 7.558	+ 0.336				14783		3710		1915
1916	84°50	3	104 17 11.46	+ 7.573	+ 0.369				14776	835		1302	1916
1917	92°19	3	102 48 3.90	+ 7.595	+ 0.373								1917
1918	89°89	3	105 57 11.66	+ 7.613	+ 0.364				14797				1918
1919	88°17	3	112 3 32.29	+ 7.622	+ 0.344				14810			1304	1919
1920	89°57	3	109 53 55.40	+ 7.626	+ 0.351				14808				1920
1921	90°48	3	103 38 2.34	+ 7.626	+ 0.371				14799				1921
1922	81°17	6	113 14 4.03	+ 7.647	+ 0.339			147	14823		3719	1305	1922
1923	81°17	5	113 14 7.75	+ 7.647	+ 0.339			149	14825		3720	1306	1923
1924	91°46	3	92 54 45.38	+ 7.719	+ 0.402	- 0.120			14834	885			1924
1925	82°48	3	98 4 4.92	+ 7.752	+ 0.386				14863	901			1925
1926	85°30	4	104 14 59.09	+ 7.755	+ 0.368				14868		3736	1307	1926
1927	89°52	3	111 54 59.25	+ 7.787	+ 0.343								1927
1928	86°21	4	104 14 20.55	+ 7.798	+ 0.367				14884	924			1928
1929	86°21	4	104 14 25.28	+ 7.798	+ 0.367				14885	924			1929
1930	87°11	3	104 11 56.76	+ 7.804	+ 0.368				14888				1930
1931	84°09	3	93 51 56.80	+ 7.821	+ 0.398	- 0.031	1102	162	14881	926	3745		1931
1932	85°19	3	109 27 26.83	+ 7.823	+ 0.351				14893				1932
1933	89°58	3	111 8 56.86	+ 7.855	+ 0.345				14906				1933
1934	90°50	3	96 42 38.40	+ 7.876	+ 0.389				14899	947			1934
1935	89°40	4	104 11 38.11	+ 7.882	+ 0.367				14908	961			1935

1908, 1910, 1911, are respectively 1983, 1981, 1982 of the Radcliffe Catalogue, 1845.

1910, 1911, are respectively 798, 799 of the Radcliffe Catalogue, 1860.

1905, 1924. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
1936	Puppis	7-8	1	89°88	3	7 32 37.750	+ 2.5373	+ 0.0007		1936
1937	Monocerotis	7	2	90°19	3	7 32 58.694	+ 2.8478	- 0.0009		1937
1938	74 Geminorum ... f	6	1	82°48	3	7 33 7.423	+ 3.4697	- 0.0078	- 0.0019	1938
1939	Monocerotis	7	1	91°49	3	7 33 19.138	+ 3.0723	- 0.0028		1939
1940	Monocerotis	7-8	2	91°51	3	7 33 24.200	+ 2.9605	- 0.0019		1940
1941	10 Canis Minoris ... a	1*	...	85°13	33	7 33 32.603	+ 3.1908	- 0.0042	- 0.0474	1941
1942	Puppis	7	3	86°50	3	7 34 14.170	+ 2.6642	+ 0.0003		1942
1943	Monocerotis	8	...	92°15	3	7 34 25.632	+ 3.0378	- 0.0026		1943
1944	Puppis	7-6	1	90°22	3	7 34 26.324	+ 2.7074	- 0.0001		1944
1945	Monocerotis	7	2	83°18	3	7 34 28.953	+ 3.0011	- 0.0022	+ 0.0030	1945
1946	Puppis	7-6	3	89°21	3	7 35 10.488	+ 2.8237	- 0.0007		1946
1947	Monocerotis	6-7	2	85°51	3	7 35 16.314	+ 2.9021	- 0.0013		1947
1948	Puppis	6*	...	85°17	3	7 35 21.297	+ 2.7446	- 0.0003		1948
1949	Puppis	6-7	1	89°86	3	7 35 22.938	+ 2.6417	+ 0.0004		1949
1950	26 Monocerotis ... γ	5-4	3	84°38	3	7 35 59.417	+ 2.8726	- 0.0011	- 0.0077	1950
1951	Puppis	8-9	3	92°10	3	7 36 23.802	+ 2.6042	+ 0.0005		1951
1952	Puppis	7-6	3	85°48	3	7 36 39.820	+ 2.5777	+ 0.0006		1952
1953	Puppis	7-8	4	85°82	3	7 37 2.522	+ 2.5764	+ 0.0006		1953
1954	Puppis	7-8	1	89°14	3	7 37 18.882	+ 2.7275	- 0.0002		1954
1955	Puppis	8-9	2	92°48	3	7 37 19.315	+ 2.7780	- 0.0005		1955
1956	Puppis	8-7	2	92°19	3	7 37 28.524	+ 2.6568	+ 0.0002		1956
1957	Puppis	7-6	1	85°03	3	7 38 1.405	+ 2.7052	- 0.0001		1957
1958	Monocerotis	7-6	3	82°77	3	7 38 4.760	+ 2.9785	- 0.0021		1958
1959	Monocerotis	7-6	4	82°60	4	7 38 10.199	+ 2.9779	- 0.0021		1959
1960	78 Geminorum ... β	1-2*	...	85°08	19	7 38 35.112	+ 3.7265	- 0.0129	- 0.0481	1960
1961	Monocerotis	8-9	1	92°18	3	7 38 40.349	+ 3.0091	- 0.0024		1961
1962	3 Puppis	4*	...	84°20	3	7 39 23.394	+ 2.4086	+ 0.0012	- 0.0012	1962
1963	Puppis	8-9	1	90°84	3	7 39 38.703	+ 2.5421	+ 0.0008		1963
1964	Monocerotis	8	...	92°19	3	7 39 41.253	+ 3.0688	- 0.0031		1964
1965	Monocerotis	7	1	87°13	3	7 39 44.215	+ 2.9837	- 0.0022		1965
1966	Puppis	8	...	91°20	3	7 39 45.702	+ 2.5424	+ 0.0008		1966
1967	Puppis	6	3	87°08	3	7 39 56.602	+ 2.5226	+ 0.0008		1967
1968	Monocerotis	7-8	1	91°90	3	7 40 14.532	+ 2.8613	- 0.0010		1968
1969	Monocerotis	7-8	1	89°85	3	7 40 17.723	+ 2.9578	- 0.0019		1969
1970	Puppis	7	3	87°18	4	7 40 25.075	+ 2.7612	- 0.0004		1970
1971	2 Puppis	7-6	3	87°18	4	7 40 25.409	+ 2.7611	- 0.0004	- 0.0020	1971
1972	Monocerotis	8-7	1	92°45	3	7 40 30.091	+ 2.9183	- 0.0017		1972
1973	Monocerotis	6-5	3	89°53	3	7 40 39.127	+ 2.9346	- 0.0018		1973
1974	4 Puppis	5*	...	85°13	3	7 40 52.883	+ 2.7643	- 0.0004	- 0.0007	1974
1975	Puppis	7	2	86°56	3	7 41 12.868	+ 2.5347	+ 0.0008		1975
1976	Puppis	8	1	92°51	3	7 41 23.808	+ 2.8284	- 0.0008		1976
1977	Puppis	7	1	85°08	3	7 41 36.084	+ 2.8068	- 0.0007		1977
1978	Puppis	7-8	1	89°55	3	7 41 57.837	+ 2.6198	+ 0.0004		1978
1979	Puppis	6-7	...	91°13	3	7 42 28.851	+ 2.5794	+ 0.0006		1979
1980	Puppis	7-6	3	88°67	4	7 42 37.832	+ 2.7333	- 0.0003		1980

1941. This star in the Harvard Photometry is brighter by 0.5 than the unit magnitude.
1944. Reddish star.
1973. Yellowish-red star.
1950. Reddish star.
1963. The first and brightest star of a cluster.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1936	89° 88	3	113 31 44.98	+ 7.886	+ 0.337						3753		1936
1937	90° 19	3	100 21 53.10	+ 7.915	+ 0.378				14912	970			1937
1938	82° 48	3	72 4 31.70	+ 7.925	+ 0.461	- 0.018	1103	166	14894			1311	1938
1939	91° 49	3	90 0 38.26	+ 7.941	+ 0.408					974			1939
1940	91° 51	3	95 12 44.11	+ 7.948	+ 0.393								1940
1941	80° 89	10	84 29 35.56	+ 7.960	+ 0.424	+ 1.027	1106	168	14914	977	3760	1313	1941
1942	86° 50	3	108 25 40.32	+ 8.015	+ 0.353				14946				1942
1943	92° 15	3	91 37 21.03	+ 8.031	+ 0.402				14937	1007			1943
1944	90° 22	3	106 35 43.81	+ 8.031	+ 0.358				14952				1944
1945	83° 18	3	93 20 12.07	+ 8.035	+ 0.398	+ 0.250			14938	1009			1945
1946	89° 21	3	101 29 54.99	+ 8.090	+ 0.373					1036			1946
1947	85° 51	3	97 55 51.16	+ 8.098	+ 0.384				14965	1037			1947
1948	85° 17	3	105 0 33.97	+ 8.104	+ 0.363				14974		3783	1316	1948
1949	89° 86	3	109 24 28.36	+ 8.107	+ 0.349				14980				1949
1950	84° 38	3	99 17 41.63	+ 8.155	+ 0.379	+ 0.024	1110	181	14984	1057	3791	1320	1950
1951	92° 10	3	110 59 29.34	+ 8.188	+ 0.343				15009				1951
1952	85° 48	3	112 4 50.03	+ 8.210	+ 0.340				15017				1952
1953	85° 82	3	112 8 53.88	+ 8.240	+ 0.339				15040				1953
1954	89° 14	3	105 48 39.70	+ 8.261	+ 0.359				15043				1954
1955	92° 48	3	103 35 21.84	+ 8.261	+ 0.366								1955
1956	92° 19	3	108 50 48.67	+ 8.275	+ 0.349				15056				1956
1957	85° 03	3	106 48 9.06	+ 8.317	+ 0.355				15063				1957
1958	82° 61	4	94 25 10.59	+ 8.323	+ 0.392								1958
1959	82° 50	5	94 26 48.05	+ 8.329	+ 0.392				15060				1959
1960	81° 78	12	61 42 30.76	+ 8.362	+ 0.490	+ 0.051	1112	191	15028		3823	1324	1960
1961	92° 18	3	92 59 19.05	+ 8.369	+ 0.395				15071	1128			1961
1962	83° 46	4	118 41 31.12	+ 8.426	+ 0.315	+ 0.010	1120	201			3831		1962
1963	90° 84	3	113 37 35.85	+ 8.447	+ 0.333								1963
1964	92° 19	3	90 10 23.28	+ 8.450	+ 0.402					1149			1964
1965	87° 13	3	94 11 15.66	+ 8.454	+ 0.391				15098	1153			1965
1966	91° 20	3	113 37 5.95	+ 8.456	+ 0.333								1966
1967	89° 53	5	114 24 35.00	+ 8.471	+ 0.330				15131		3839		1967
1968	91° 90	3	99 53 39.96	+ 8.495	+ 0.374				15123				1968
1969	89° 85	3	95 24 44.18	+ 8.498	+ 0.387			202	15122				1969
1970	87° 18	4	104 25 10.78	+ 8.508	+ 0.361			204	15137	1181	3847		1970
1971	87° 18	4	104 25 26.69	+ 8.508	+ 0.361	+ 0.009	1121	205	15138	1182	3848		1971
1972	92° 45	3	97 15 42.26	+ 8.514	+ 0.382				15130				1972
1973	89° 53	3	96 30 9.89	+ 8.526	+ 0.384				15136	1184		1329	1973
1974	85° 13	3	104 17 48.74	+ 8.545	+ 0.361	- 0.013	1122	210	15148	1194	3854		1974
1975	86° 56	3	113 59 19.38	+ 8.571	+ 0.331				15176		3860		1975
1976	92° 51	3	101 25 10.61	+ 8.586	+ 0.369				15165	1211			1976
1977	85° 08	3	102 24 22.89	+ 8.601	+ 0.366				15175				1977
1978	89° 55	3	110 33 42.03	+ 8.630	+ 0.341				15197				1978
1979	91° 13	3	112 14 56.80	+ 8.671	+ 0.336						3880		1979
1980	87° 19	3	105 43 9.57	+ 8.683	+ 0.356				15213				1980

1941, 1960, are respectively 2013, 2029 of the Radcliffe Catalogue, 1845.

1941, 1960, are respectively 809, 817 of the Radcliffe Catalogue, 1860.

1945. The Proper Motions have been determined in the formation of the present Catalogue.

1971. The adopted Proper Motions differ slightly from those of Auwers.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
1981	Puppis	7-6	4	90°43	3	7 42 44.611	+ 2.7329	- 0.0003		1981
1982	5 Puppis	6-7	2	85°16	3	7 42 47.553	+ 2.8181	- 0.0008	- 0.0086	1982
1983	Monocerotis	7-8	...	93°14	3	7 42 53.208	+ 2.9352	- 0.0018		1983
1984	Puppis	8	1	92°21	3	7 43 51.295	+ 2.6610	+ 0.0003		1984
1985	Puppis	7-6	1	90°86	3	7 43 54.350	+ 2.8409	- 0.0010		1985
1986	Puppis	7	...	90°47	3	7 43 59.289	+ 2.8558	- 0.0011		1986
1987	Puppis	8-9	1	90°25	2	7 44 15.041	+ 2.5203	+ 0.0008	+ 0.0110	1987
1988	Puppis	7-6	...	91°84	3	7 44 21.618	+ 2.7936	- 0.0006		1988
1989	Puppis	6-7	1	87°18	3	7 44 24.443	+ 2.5219	+ 0.0008		1989
1990	Monocerotis	8	1	92°23	3	7 44 32.305	+ 3.0431	- 0.0029		1990
1991	Argûs ξ	3-2	1	86°35	19	7 44 39.959	+ 2.5236	+ 0.0009	- 0.0011	1991
1992	6 Puppis	6*	...	90°87	3	7 44 43.002	+ 2.7069	- 0.0001	+ 0.0045	1992
1993	Puppis	7	3	87°13	3	7 44 49.226	+ 2.6541	+ 0.0003		1993
1994	Monocerotis	6*	...	91°38	3	7 44 53.419	+ 2.8846	- 0.0014		1994
1995	Puppis	7	2	91°86	3	7 44 55.391	+ 2.6377	+ 0.0004		1995
1996	Monocerotis	7-8	1	92°53	3	7 45 0.648	+ 3.0029	- 0.0026		1996
1997	Monocerotis	8	1	91°87	3	7 45 11.966	+ 2.9566	- 0.0021		1997
1998	Puppis	7-6	3	87°17	3	7 45 13.836	+ 2.6541	+ 0.0003		1998
1999	Puppis	6-7	2	91°21	3	7 45 42.538	+ 2.8431	- 0.0010		1999
2000	Monocerotis	8-7	...	91°87	3	7 46 9.394	+ 2.9319	- 0.0019		2000
2001	Puppis	7-6	1	91°86	3	7 46 11.160	+ 2.6847	0.0000		2001
2002	Puppis	7-6	1	91°89	3	7 46 21.231	+ 2.5340	+ 0.0008		2002
2003	8 Puppis	7	1	85°04	3	7 46 32.165	+ 2.8067	- 0.0008	- 0.0005	2003
2004	Monocerotis	7-8	2	91°46	3	7 46 37.343	+ 3.0146	- 0.0027		2004
2005	9 Puppis	6*	...	84°93	4	7 46 40.588	+ 2.7834	- 0.0006	- 0.0064	2005
2006	Ursæ Minoris	7	...	83°13	1	7 46 53.102	+ 68.8221	- 32.4261		2006
2007	Puppis	6	3	86°44	3	7 46 55.462	+ 2.6167	+ 0.0005		2007
2008	10 Puppis	6	...	86°54	3	7 47 15.074	+ 2.7625	- 0.0005	- 0.0008	2008
2009	Puppis	7-8	1	91°23	3	7 47 21.823	+ 2.7844	- 0.0005		2009
2010	Monocerotis	6	2	83°48	3	7 47 21.945	+ 2.9651	- 0.0022		2010
2011	Camelopardali	5*	...	85°40	2	7 47 28.028	+ 9.6865	- 0.4038		2011
2012	Puppis	8-7	2	92°12	3	7 47 59.752	+ 2.5926	+ 0.0006		2012
2013	Monocerotis	7-8	2	89°80	3	7 49 1.114	+ 3.0204	- 0.0028		2013
2014	Puppis	7	5	87°18	3	7 49 11.801	+ 2.6855	0.0000		2014
2015	Geminorum	9-10	3	92°44	3	7 49 37.651	+ 3.8483	- 0.0174		2015
2016	Monocerotis	8-9	2	91°85	3	7 49 42.481	+ 2.9836	- 0.0024		2016
2017	Puppis	8-7	2	92°15	3	7 50 18.206	+ 2.8556	- 0.0011		2017
2018	Geminorum	7-8	...	92°73	2	7 50 31.659	+ 3.8402	- 0.0173		2018
2019	Puppis	7	2	86°15	3	7 50 34.339	+ 2.7488	- 0.0003		2019
2020	Puppis	7	3	85°20	3	7 50 35.446	+ 2.6703	+ 0.0002		2020
2021	Puppis	7	3	88°50	3	7 50 49.334	+ 2.8140	- 0.0008		2021
2022	Monocerotis	7-8	...	91°50	3	7 51 1.410	+ 2.9125	- 0.0018		2022
2023	Puppis	7-8	3	88°78	3	7 51 29.485	+ 2.7507	- 0.0004		2023
2024	Puppis	7-8	...	89°84	3	7 51 31.443	+ 2.6384	+ 0.0004		2024
2025	Puppis	7-8	1	89°50	3	7 51 40.373	+ 2.7285	- 0.0002		2025

1982. A companion of the 8 magnitude follows, and is north.

2021. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
1981	88.73	3	105 44 34.67	+8.692	+0.355				15219				1981
1982	85.16	3	101 55 22.86	+8.696	+0.367	-0.080	1124	217	15215	1243	3884	1331	1982
1983	93.14	3	96 30 7.53	+8.703	+0.382				15211				1983
1984	92.21	3	108 54 2.21	+8.779	+0.345				15260				1984
1985	90.86	3	100 54 25.38	+8.783	+0.369				15252	1272			1985
1986	90.47	3	100 13 28.88	+8.789	+0.371				15253				1986
1987	90.25	2	114 41 29.53	+8.810	+0.326	+0.260		226	15277				1987
1988	91.84	3	103 4 38.24	+8.819	+0.362				15268	1280			1988
1989	87.18	3	114 38 14.91	+8.822	+0.327		1130		15285		3911	1334	1989
1990	92.23	3	91 24 17.74	+8.833	+0.395				15263	1279			1990
1991	84.74	3	114 35 1.72	+8.843	+0.327	-0.024	1132	230	15300		3917	1335	1991
1992	90.87	3	106 56 54.57	+8.847	+0.350	+0.108	1129	229	15287		3918	1336	1992
1993	87.13	3	109 13 43.95	+8.855	+0.344				15298				1993
1994	91.38	3	98 54 23.32	+8.860	+0.374			228	15283				1994
1995	91.86	3	109 55 38.96	+8.863	+0.341				15304				1995
1996	92.53	3	93 19 12.70	+8.869	+0.389			227	15279	1295			1996
1997	91.87	3	95 31 29.72	+8.885	+0.383				15291	1301			1997
1998	87.13	3	109 14 47.75	+8.888	+0.343				15318				1998
1999	91.21	3	100 50 54.93	+8.925	+0.368				15324	1320			1999
2000	91.87	3	96 42 10.50	+8.959	+0.379				15332	1326			2000
2001	91.86	3	107 58 5.33	+8.962	+0.346				15346				2001
2002	91.89	3	114 14 52.22	+8.975	+0.327				15363		3940		2002
2003	85.04	3	102 32 18.16	+8.989	+0.362	-0.015	1133	239	15353	1338	3943		2003
2004	91.46	3	92 46 22.45	+8.996	+0.389				15342	1336			2004
2005	86.58	5	103 36 23.59	+9.001	+0.359	+0.339	1134	240	15360	1346	3945	1344	2005
2006	83.13	1	1 2 25.57	+9.017	+8.961							1318	2006
2007	86.44	3	110 53 36.29	+9.019	+0.337				15382				2007
2008	86.54	3	104 33 50.24	+9.045	+0.356	-0.003	1136	243	15388		3952		2008
2009	91.23	3	103 34 40.18	+9.054	+0.358			245	15389	1366	3955		2009
2010	83.48	3	95 8 39.27	+9.054	+0.382			242	15374	1361		1347	2010
2011	86.19	2	10 13 16.73	+9.062	+1.256			187				1340	2011
2012	92.12	3	111 56 26.01	+9.104	+0.333								2012
2013	89.80	3	92 30 31.32	+9.183	+0.388			247	15431				2013
2014	87.18	3	108 2 38.29	+9.197	+0.344				15453				2014
2015	92.44	3	56 49 42.79	+9.231	+0.494								2015
2016	91.85	3	94 16 56.10	+9.236	+0.382				15455	1428			2016
2017	92.15	3	100 22 17.93	+9.283	+0.365				15484	1449			2017
2018	92.73	2	57 3 1.74	+9.301	+0.492				15441				2018
2019	86.15	3	105 17 15.40	+9.304	+0.351				15504				2019
2020	85.20	3	108 45 26.45	+9.305	+0.341				15508				2020
2021	88.50	3	102 19 11.21	+9.323	+0.359								2021
2022	91.50	3	97 41 58.27	+9.338	+0.372				15511	1468			2022
2023	88.78	3	105 13 54.75	+9.374	+0.351				15533				2023
2024	89.84	3	110 10 14.54	+9.377	+0.336				15541				2024
2025	89.50	3	106 14 15.32	+9.389	+0.348				15542				2025

2006, 2011, are respectively 1864, 2040 of the Radcliffe Catalogue, 1845.

1987, 1989, 1991, 1992, 2005, 2006, 2011, are respectively 823, 824, 826, 825, 828, 785, 821 of the Radcliffe Catalogue, 1860.

1987. The Proper Motions have been determined in the formation of the present Catalogue.

1989. The Proper Motions are small, and not well determined.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R. A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
2026	Monocerotis	7	1	91.87	3	7	51	49.031	+ 3.0655	- 0.0034		2026
2027	Monocerotis	7-8	3	88.00	3	7	51	55.608	+ 3.0178	- 0.0029		2027
2028	11 Puppis	5-4*	...	85.01	3	7	52	7.707	+ 2.5816	+ 0.0007	- 0.0044	2028
2029	Puppis	8	2	92.44	3	7	52	45.329	+ 2.5423	+ 0.0009		2029
2030	Monocerotis	7	...	89.14	3	7	53	35.004	+ 2.9896	- 0.0026		2030
2031	Puppis	8-7	6	86.52	3	7	53	55.842	+ 2.7186	- 0.0001		2031
2032	27 Monocerotis	6	1	82.91	4	7	54	14.392	+ 3.0031	- 0.0028	- 0.0065	2032
2033	12 Puppis	6	2	84.80	3	7	54	22.529	+ 2.5740	+ 0.0008	- 0.0027	2033
2034	Puppis	7-8	1	92.20	3	7	54	35.732	+ 2.8110	- 0.0008		2034
2035	Puppis	5-6	2	85.14	3	7	54	56.161	+ 2.6894	0.0000		2035
2036	Monocerotis	7-8	3	89.49	3	7	55	1.530	+ 2.9786	- 0.0025		2036
2037	Puppis	7-8	3	85.87	3	7	55	11.070	+ 2.7221	- 0.0002		2037
2038	Monocerotis	7-6	2	84.16	3	7	55	12.313	+ 3.0197	- 0.0030		2038
2039	5 Cancri	6-7	...	87.16	3	7	55	14.119	+ 3.4252	- 0.0091	- 0.0018	2039
2040	28 Monocerotis	5-6	2	85.19	3	7	55	37.628	+ 3.0503	- 0.0033	+ 0.0024	2040
2041	Monocerotis	6-7	1	83.18	3	7	55	39.984	+ 2.9471	- 0.0022		2041
2042	Puppis	8-7	2	91.84	3	7	55	55.893	+ 2.7845	- 0.0006		2042
2043	Monocerotis	7-8	...	89.86	3	7	56	25.708	+ 2.9023	- 0.0016		2043
2044	Puppis	8-7	5	87.09	3	7	56	32.504	+ 2.5999	+ 0.0007		2044
2045	Puppis	8	5	87.22	2	7	56	35.444	+ 2.6001	+ 0.0007		2045
2046	Monocerotis	7-8	4	88.79	3	7	56	43.340	+ 2.8865	- 0.0015		2046
2047	6 Cancri	5	1	86.51	31	7	56	45.740	+ 3.6957	- 0.0149	- 0.0025	2047
2048	Puppis	8	2	92.20	3	7	56	55.368	+ 2.6280	+ 0.0005		2048
2049	Monocerotis	7-6	3	82.48	3	7	57	1.666	+ 2.9493	- 0.0022		2049
2050	Monocerotis	7	4	82.83	3	7	57	22.390	+ 2.9497	- 0.0022		2050
2051	Puppis	7-8	1	89.16	3	7	57	56.223	+ 2.5365	+ 0.0009		2051
2052	Monocerotis	7-8	2	88.34	3	7	58	12.118	+ 2.9118	- 0.0019		2052
2053	Puppis	6-7	...	84.21	3	7	58	46.341	+ 2.3424	+ 0.0015		2053
2054	Monocerotis	7-8	...	92.20	3	7	58	53.570	+ 2.8653	- 0.0013		2054
2055	Puppis	8-9	2	92.19	3	7	58	58.327	+ 2.7535	- 0.0004		2055
2056	Monocerotis	7-8	1	89.49	3	7	59	22.827	+ 2.9690	- 0.0025		2056
2057	Monocerotis	7-8	4	85.44	3	7	59	28.204	+ 3.0080	- 0.0029		2057
2058	Puppis	8-9	1	92.52	3	7	59	32.216	+ 2.8321	- 0.0011		2058
2059	Puppis	7	...	85.21	3	7	59	34.436	+ 2.7103	- 0.0001		2059
2060	14 Puppis	7-6	6	86.18	3	7	59	48.311	+ 2.6642	+ 0.0004	+ 0.0001	2060
2061	Puppis	8-9	2	92.44	3	8	0	3.254	+ 2.5684	+ 0.0008		2061
2062	Monocerotis	7	2	85.03	3	8	0	12.666	+ 3.0672	- 0.0036		2062
2063	Monocerotis	7-8	1	89.57	3	8	0	13.239	+ 2.8724	- 0.0014		2063
2064	Puppis	7-8	1	92.20	3	8	0	23.954	+ 2.7999	- 0.0008		2064
2065	Monocerotis	8-9	1	92.51	3	8	0	25.178	+ 2.9311	- 0.0021		2065
2066	Monocerotis	8-7	...	92.23	3	8	0	53.213	+ 3.0306	- 0.0033		2066
2067	Monocerotis	8	2	87.44	3	8	1	8.361	+ 2.8913	- 0.0016		2067
2068	Monocerotis	6-7	2	87.54	4	8	1	9.562	+ 2.8911	- 0.0016		2068
2069	Puppis	6-7	...	86.90	3	8	1	29.898	+ 2.3162	+ 0.0016		2069
2070	55 Camelopardali	6-5	...	87.93	3	8	1	51.491	+ 6.0427	- 0.1196	- 0.0002	2070

2027. Reddish star.

2030. The N.P.D. of this star in Weisse's Bessel is 3' too great.

2031. Red star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2026	91.87	3	90 20 30.34	+ 9.400	+ 0.391				15529	1482			2026
2027	88.00	3	92 39 12.19	+ 9.409	+ 0.385				15537	1485			2027
2028	85.01	3	112 35 12.30	+ 9.425	+ 0.328	- 0.028	1141	266	15569		3997	1355	2028
2029	92.44	3	114 13 33.16	+ 9.472	+ 0.323				15586				2029
2030	89.14	3	94 2 0.43	+ 9.537	+ 0.379					1532			2030
2031	86.52	3	106 45 33.60	+ 9.563	+ 0.344				15624				2031
2032	82.91	4	93 22 48.91	+ 9.586	+ 0.381	- 0.011	1145	278	15619	1552	4018	1364	2032
2033	84.80	3	113 0 42.41	+ 9.598	+ 0.326	- 0.020	1150	281	15651		4021		2033
2034	92.20	3	102 34 2.86	+ 9.615	+ 0.356				15643				2034
2035	85.14	3	108 5 51.84	+ 9.640	+ 0.340						4028	1366	2035
2036	89.49	3	94 34 44.54	+ 9.648	+ 0.377				15656				2036
2037	85.87	3	106 39 7.76	+ 9.659	+ 0.344				15672				2037
2038	84.16	3	92 34 50.07	+ 9.661	+ 0.382				15659	1580			2038
2039	87.16	3	73 14 30.65	+ 9.663	+ 0.434	- 0.003	1146	279	15631			1368	2039
2040	85.19	3	91 5 15.45	+ 9.694	+ 0.385	+ 0.067	1151	284	15670	1590	4032		2040
2041	83.18	3	96 6 53.48	+ 9.696	+ 0.372					1594			2041
2042	91.84	3	103 50 5.96	+ 9.717	+ 0.351				15692	1605			2042
2043	89.86	3	98 17 21.01	+ 9.755	+ 0.366				15706	1616			2043
2044	87.13	4	112 1 59.20	+ 9.763	+ 0.327				15720				2044
2045	87.12	4	112 1 47.08	+ 9.767	+ 0.327				15721				2045
2046	88.79	3	99 3 8.42	+ 9.777	+ 0.363					1621			2046
2047	83.61	7	61 53 51.90	+ 9.780	+ 0.466	+ 0.039	1149	285	15676		4052	1371	2047
2048	92.20	3	110 51 17.71	+ 9.792	+ 0.330				15732				2048
2049	82.48	3	96 1 50.98	+ 9.801	+ 0.371				15717	1628		1372	2049
2050	82.83	3	96 0 58.36	+ 9.826	+ 0.371				15731	1639			2050
2051	89.16	3	114 43 44.90	+ 9.870	+ 0.318				15772				2051
2052	88.34	3	97 51 58.56	+ 9.890	+ 0.365				15758	1665			2052
2053	83.00	5	122 9 20.53	+ 9.933	+ 0.293			301			4082		2053
2054	92.20	3	100 7 5.63	+ 9.943	+ 0.359					1689			2054
2055	92.19	3	105 21 50.72	+ 9.948	+ 0.344					1694			2055
2056	89.49	3	95 6 3.10	+ 9.980	+ 0.371					1703			2056
2057	85.44	3	93 11 5.19	+ 9.986	+ 0.376			300	15804	1704			2057
2058	92.52	3	101 43 4.37	+ 9.991	+ 0.354					1713			2058
2059	85.21	3	107 21 14.88	+ 9.994	+ 0.338						4092		2059
2060	86.18	3	109 25 0.01	+ 10.011	+ 0.332	- 0.037	1163	303	15837		4096		2060
2061	92.44	3	113 31 42.71	+ 10.030	+ 0.320								2061
2062	85.03	3	90 15 36.54	+ 10.043	+ 0.383				15832	1720			2062
2063	89.57	3	99 48 36.82	+ 10.043	+ 0.358				15842	1723			2063
2064	92.20	3	103 15 34.19	+ 10.057	+ 0.349				15855				2064
2065	92.51	3	96 58 11.03	+ 10.058	+ 0.366				15848	1727			2065
2066	92.23	3	92 4 44.30	+ 10.093	+ 0.378				15858	1739			2066
2067	87.44	3	98 55 20.98	+ 10.113	+ 0.360							1381	2067
2068	87.54	4	98 55 46.17	+ 10.115	+ 0.360							1382	2068
2069	86.90	3	123 15 18.18	+ 10.140	+ 0.287						4107		2069
2070	87.93	3	21 12 10.54	+ 10.168	+ 0.755	- 0.010	1148					1384	2070

2070 is 2087 of the Radcliffe Catalogue, 1845.
2040, 2047, are respectively 836, 837 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
2071	Monocerotis	7	...	89.88	3	8	2	10.481	+ 3.0104	- 0.0030		2071
2072	Puppis	7	2	89.85	3	8	2	17.110	+ 2.7194	- 0.0001		2072
2073	Puppis	6*	...	89.84	3	8	2	26.667	+ 2.6483	+ 0.0004		2073
2074	15 Argûs ρ	3-2	2	86.22	57	8	2	51.473	+ 2.5611	+ 0.0010	- 0.0075	2074
2075	29 Monocerotis	5	2	86.17	3	8	3	3.910	+ 3.0190	- 0.0031	- 0.0027	2075
2076	Puppis	7-6	1	89.85	3	8	3	35.627	+ 2.5785	+ 0.0008		2076
2077	Puppis	6-7	3	83.13	3	8	3	43.619	+ 2.8492	- 0.0011		2077
2078	Canceri	7-8	...	88.18	3	8	3	44.306	+ 3.4305	- 0.0100		2078
2079	Monocerotis	8-7	...	91.91	3	8	3	47.355	+ 2.9876	- 0.0028		2079
2080	14 Canceri ψ^2	6*	...	87.20	3	8	3	49.702	+ 3.6277	- 0.0143	- 0.0072	2080
2081	Puppis	7-6	1	90.22	3	8	3	51.534	+ 2.6543	+ 0.0004		2081
2082	16 Puppis	5-6	2	87.15	3	8	4	6.888	+ 2.6797	+ 0.0002	- 0.0016	2082
2083	Puppis	6	...	85.20	3	8	4	26.634	+ 2.7459	- 0.0003		2083
2084	Puppis	8-7	1	91.83	3	8	4	26.952	+ 2.6273	+ 0.0006		2084
2085	Monocerotis	7-8	...	91.47	3	8	5	13.253	+ 2.8858	- 0.0015		2085
2086	Puppis	7	1	85.81	3	8	5	29.099	+ 2.6065	+ 0.0008		2086
2087	18 Puppis	7-6	1	84.92	3	8	5	33.837	+ 2.7990	- 0.0007	- 0.0160	2087
2088	Monocerotis	7	3	87.16	3	8	5	35.136	+ 2.9440	- 0.0023		2088
2089	Monocerotis	7-8	1	81.23	4	8	5	38.286	+ 3.0478	- 0.0036		2089
2090	19 Puppis	5-6	4	84.10	3	8	6	6.609	+ 2.8178	- 0.0009	- 0.0031	2090
2091	Monocerotis	6*	...	84.24	3	8	6	11.906	+ 2.9236	- 0.0021		2091
2092	Monocerotis	8-7	...	91.88	3	8	7	9.551	+ 2.8618	- 0.0013		2092
2093	Monocerotis	8-7	3	85.87	3	8	7	28.069	+ 2.9357	- 0.0022		2093
2094	Monocerotis	7	2	85.21	3	8	7	46.144	+ 3.0560	- 0.0037		2094
2095	Monocerotis	7-8	3	86.22	3	8	8	10.297	+ 2.9481	- 0.0023		2095
2096	20 Puppis	6-5	2	81.72	6	8	8	16.556	+ 2.7592	- 0.0004	- 0.0020	2096
2097	Puppis	8-9	1	92.21	3	8	8	20.671	+ 2.6397	+ 0.0006		2097
2098	Puppis	8-9	1	92.44	3	8	8	21.633	+ 2.7087	0.0000		2098
2099	Puppis	8	1	92.22	3	8	8	28.559	+ 2.5876	+ 0.0009		2099
2100	Puppis	8	1	88.55	3	8	8	33.710	+ 2.5694	+ 0.0010		2100
2101	Monocerotis	7-8	...	91.89	3	8	8	53.928	+ 3.0034	- 0.0031		2101
2102	Puppis	7-6	...	87.21	3	8	9	49.886	+ 2.3729	+ 0.0018		2102
2103	Puppis	7-8	4	87.78	3	8	9	55.628	+ 2.7289	- 0.0001		2103
2104	Puppis	7-8	3	88.79	3	8	10	24.792	+ 2.8065	- 0.0007		2104
2105	17 Canceri β	4-3	2	87.01	51	8	10	32.995	+ 3.2614	- 0.0072	- 0.0044	2105
2106	Monocerotis	7-8	3	87.09	3	8	10	55.741	+ 3.0157	- 0.0032		2106
2107	Puppis	7-8	1	91.85	3	8	11	4.134	+ 2.6838	+ 0.0003		2107
2108	Puppis	7-8	1	93.13	3	8	11	8.212	+ 2.7640	- 0.0004		2108
2109	Puppis	8-9	2	92.23	3	8	11	22.632	+ 2.5512	+ 0.0011		2109
2110	Monocerotis	7-8	...	90.51	3	8	11	28.707	+ 2.9012	- 0.0018		2110
2111	Monocerotis	7-8	...	91.89	3	8	11	30.603	+ 2.9727	- 0.0027		2111
2112	Monocerotis	7-6	2	83.14	3	8	11	38.468	+ 3.0132	- 0.0032		2112
2113	Puppis	7	...	90.56	3	8	11	46.792	+ 2.7758	- 0.0004		2113
2114	Monocerotis	8-7	...	92.11	3	8	11	51.431	+ 2.8641	- 0.0013		2114
2115	Puppis	7	...	90.23	3	8	11	55.204	+ 2.6298	+ 0.0007		2115

2105. Yellowish-red star.

2108. The position given in Weisse's Bessel for this star is erroneous; the R. A. is 2^s too great, and the N. P. D. about 15" too small.

2110. A slightly fainter star, Lalande 16228, precedes, and is about 2' 30" south.

2113. The N. P. D. of this star in Weisse's Bessel is 2' too small.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2071	89°88	3	93 5 20.13	+10.190	+0.374								2071
2072	89°85	3	107 3 8.78	+10.199	+0.337				15920				2072
2073	89°19	4	110 14 12.58	+10.212	+0.328				15930		4122	1386	2073
2074	81°48	14	113 59 14.42	+10.243	+0.317	-0.061	1170	320	15946		4127	1387	2074
2075	86°17	3	92 39 50.23	+10.258	+0.374	-0.018	1168	316	15932	1809	4128	1388	2075
2076	89°85	3	113 17 52.98	+10.298	+0.318				15967		4133		2076
2077	83°13	3	101 1 6.78	+10.308	+0.352				15961	19			2077
2078	88°18	3	72 39 39.50	+10.308	+0.425			317	15934			1389	2078
2079	91°91	3	94 13 56.20	+10.312	+0.369				15957	17			2079
2080	87°20	3	64 9 33.31	+10.316	+0.449	+0.351	1167	314	15925		4134	1390	2080
2081	90°22	3	110 2 32.44	+10.318	+0.328				15974				2081
2082	87°15	3	108 55 25.17	+10.337	+0.331	-0.013	1174	1	15977		4139	1391	2082
2083	85°20	3	105 55 35.86	+10.362	+0.338				15988		4143	1392	2083
2084	91°83	3	111 15 8.49	+10.362	+0.324				15995				2084
2085	91°47	3	99 16 48.49	+10.419	+0.355					59			2085
2086	85°81	3	112 12 30.12	+10.439	+0.320				16032				2086
2087	84°92	3	103 28 34.11	+10.445	+0.344	-0.064	1176	9	16027	76	4155	1394	2087
2088	87°16	3	96 25 24.78	+10.447	+0.362				16020				2088
2089	81°24	3	91 14 24.48	+10.450	+0.375				16018				2089
2090	83°87	4	102 36 3.62	+10.486	+0.346	-0.022	1177	11	16056	86	4159		2090
2091	84°24	3	97 26 42.25	+10.493	+0.359				16049	84		1398	2091
2092	91°88	3	100 30 11.87	+10.565	+0.350								2092
2093	85°87	3	96 52 18.91	+10.587	+0.359				16091	117			2093
2094	85°21	3	90 50 8.01	+10.609	+0.374								2094
2095	86°22	3	96 15 48.20	+10.639	+0.360				16112	147			2095
2096	81°72	6	105 27 25.87	+10.648	+0.336	+0.009	1179	18	16119		4200	1400	2096
2097	92°21	3	110 54 35.84	+10.652	+0.322				16128				2097
2098	92°44	3	107 48 29.18	+10.654	+0.330				16125				2098
2099	92°22	3	113 10 53.80	+10.662	+0.315				16138				2099
2100	88°55	3	113 57 39.13	+10.668	+0.313				16141				2100
2101	91°89	3	93 29 47.85	+10.693	+0.366				16129				2101
2102	87°21	3	121 48 26.10	+10.762	+0.287			32			4216		2102
2103	87°78	3	106 56 35.93	+10.770	+0.331				16179				2103
2104	88°79	3	103 17 17.58	+10.805	+0.340				16196	211			2104
2105	81°95	4	80 28 32.90	+10.815	+0.396	+0.041	1180	28	16174	201	4226	1402	2105
2106	87°09	3	92 53 20.82	+10.843	+0.365								2106
2107	91°85	3	109 4 15.31	+10.853	+0.324				16226				2107
2108	93°13	3	105 20 57.08	+10.858	+0.334					231			2108
2109	92°23	3	114 53 51.24	+10.877	+0.308								2109
2110	90°51	3	98 40 30.79	+10.884	+0.351				16234				2110
2111	91°89	3	95 4 49.82	+10.886	+0.359				16227	234			2111
2112	83°14	3	93 1 27.65	+10.895	+0.364				16233				2112
2113	90°56	3	104 48 48.44	+10.906	+0.335				16257	257			2113
2114	92°11	3	100 31 29.23	+10.912	+0.346					255			2114
2115	90°23	3	111 32 35.39	+10.916	+0.317				16277				2115

2074, 2105, are respectively 2094, 2121 of the Radcliffe Catalogue, 1845.
 2074, 2080, 2087, 2105, are respectively 842, 844, 846, 852 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
2116	Puppis	7	1	90°83	3	8	12	3'472	+ 2'6426	+ 0'0007		2116
2117	Hydræ	8-7	...	91°51	3	8	12	18'067	+ 3'0440	- 0'0036	- 0'0050	2117
2118	21 Puppis	7	1	85°20	3	8	12	20'513	+ 2'7525	- 0'0002	- 0'0008	2118
2119	Monocerotis	7-8	5	86°21	4	8	13	2'697	+ 2'9307	- 0'0022		2119
2120	Puppis	7-6	2	83°22	3	8	13	10'649	+ 2'8297	- 0'0009	+ 0'0187	2120
2121	Puppis	7-8	3	87°20	3	8	13	30'663	+ 2'7895	- 0'0006		2121
2122	Hydræ	9-8	2	89°52	3	8	13	34'517	+ 3'1344	- 0'0050		2122
2123	Monocerotis	7-8	2	93°14	3	8	13	48'666	+ 2'9695	- 0'0026		2123
2124	Monocerotis	7	5	87°48	3	8	13	52'114	+ 2'9313	- 0'0022		2124
2125	Monocerotis	7-6	1	84°50	3	8	13	58'802	+ 2'8795	- 0'0015		2125
2126	Puppis	6	...	80°21	1	8	14	5'232	+ 2'2889	+ 0'0019		2126
2127	Hydræ	8-9	4	90°08	3	8	14	22'034	+ 3'1330	- 0'0050		2127
2128	Puppis	7	2	87°72	3	8	14	28'488	+ 2'6713	+ 0'0005		2128
2129	Hydræ	6-7	2	85°23	3	8	14	36'273	+ 3'0616	- 0'0039		2129
2130	Puppis	7	1	89°57	3	8	14	43'448	+ 2'8256	- 0'0009		2130
2131	Monocerotis	7-6	2	83°86	3	8	14	49'810	+ 2'9756	- 0'0027		2131
2132	Hydræ	7-8	3	89°53	3	8	14	57'708	+ 3'1310	- 0'0051		2132
2133	Puppis	7-8	...	91°35	3	8	15	18'932	+ 2'5985	+ 0'0010		2133
2134	Puppis	6-7	1	89°23	3	8	15	40'092	+ 2'6112	+ 0'0009		2134
2135	Hydræ	7-6	2	85°42	3	8	15	45'386	+ 3'0483	- 0'0037		2135
2136	Puppis	8-9	1	91°53	3	8	15	50'325	+ 2'7718	- 0'0004		2136
2137	Monocerotis	7-8	1	89°55	3	8	15	54'286	+ 2'9224	- 0'0020		2137
2138	Puppis	7	1	93°13	3	8	16	12'664	+ 2'7834	- 0'0004		2138
2139	Monocerotis	7	...	89°14	3	8	16	15'041	+ 2'9105	- 0'0020		2139
2140	Monocerotis	7	3	86°53	3	8	16	21'447	+ 2'8634	- 0'0014		2140
2141	Puppis	6-7	1	84°11	3	8	16	26'830	+ 2'6756	+ 0'0004		2141
2142	Monocerotis	7	1	90°53	3	8	16	41'471	+ 2'8695	- 0'0013		2142
2143	Puppis	6-7	2	89°90	3	8	16	55'047	+ 2'7296	0'0000		2143
2144	Puppis <i>w</i>	5	...	84°56	3	8	17	2'877	+ 2'3630	+ 0'0020		2144
2145	20 Cancri <i>d</i> ¹	6-5	1	88°35	11	8	17	3'951	+ 3'4461	- 0'0114	- 0'0053	2145
2146	Monocerotis	6-7	1	86°89	3	8	17	5'223	+ 2'9597	- 0'0025		2146
2147	Monocerotis	6-7	2	83°45	4	8	17	31'630	+ 2'9333	- 0'0023		2147
2148	22 Puppis	7-6	...	89°85	3	8	17	36'591	+ 2'8239	- 0'0009	- 0'0034	2148
2149	Hydræ	7	...	90°18	3	8	18	21'044	+ 3'0505	- 0'0039		2149
2150	1 Hydræ	6	1	85°19	3	8	19	5'980	+ 3'0074	- 0'0032	- 0'0148	2150
2151	Hydræ	7-6	2	84°50	3	8	19	7'668	+ 2'9888	- 0'0029		2151
2152	Puppis	7-8	2	91°86	3	8	19	11'962	+ 2'6992	+ 0'0003		2152
2153	Monocerotis	7-8	...	91°18	3	8	19	25'438	+ 2'8559	- 0'0012		2153
2154	Monocerotis	7	...	89°48	3	8	19	49'105	+ 2'8314	- 0'0009		2154
2155	Puppis	5-6	1	86°17	3	8	20	7'934	+ 2'6124	+ 0'0010		2155
2156	Hydræ	4	1	82°76	4	8	20	9'780	+ 3'0046	- 0'0032	- 0'0058	2156
2157	Monocerotis	7-6	2	86°90	3	8	20	17'914	+ 2'9071	- 0'0018		2157
2158	Puppis	6-5	2	83°24	4	8	20	18'606	+ 2'5925	+ 0'0012		2158
2159	Monocerotis	7-6	2	87°17	3	8	20	26'693	+ 2'6595	+ 0'0007		2159
2160	Puppis	7	...	89°85	3	8	20	28'343	+ 2'6355	+ 0'0009		2160

2127. Deep-red star. Lalande's R. A. appears to be about 8^s too small.
2156. This star is Flamsteed's 30 Monocerotis.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2116	90° 83	3	110 58 54.54	+ 10.925	+ 0.318				16279				2116
2117	91° 51	3	91 27 23.50	+ 10.944	+ 0.367	+ 0.230			16212	267			2117
2118	85° 20	3	105 56 42.41	+ 10.947	+ 0.332	- 0.002	1184	39	16281		4240		2118
2119	86° 21	4	97 13 46.59	+ 10.999	+ 0.353					286			2119
2120	83° 22	3	102 15 35.64	+ 11.008	+ 0.340	+ 0.975			16304	294		1404	2120
2121	87° 20	3	104 13 25.15	+ 11.033	+ 0.335			45	16316	304			2121
2122	89° 52	3	86 49 34.90	+ 11.037	+ 0.377								2122
2123	93° 14	3	95 16 37.53	+ 11.055	+ 0.357				16317				2123
2124	87° 48	3	97 12 51.80	+ 11.058	+ 0.352				16319	310			2124
2125	84° 50	3	99 49 22.83	+ 11.067	+ 0.345				16325	313			2125
2126	80° 21	2	125 6 39.05	+ 11.074	+ 0.274						4263		2126
2127	90° 08	3	86 53 20.00	+ 11.095	+ 0.376				16320				2127
2128	87° 72	3	109 49 10.47	+ 11.102	+ 0.320				16348				2128
2129	85° 23	3	90 33 39.13	+ 11.112	+ 0.367				16331	325			2129
2130	89° 57	3	102 30 41.43	+ 11.121	+ 0.338				16354	332			2130
2131	83° 86	3	94 58 56.13	+ 11.129	+ 0.356				16345				2131
2132	89° 53	3	86 59 17.42	+ 11.139	+ 0.375				16341				2132
2133	91° 35	3	113 6 57.01	+ 11.164	+ 0.310				16381				2133
2134	89° 23	3	112 34 38.96	+ 11.189	+ 0.311							1410	2134
2135	85° 42	3	91 15 9.07	+ 11.195	+ 0.364				16375	357			2135
2136	91° 53	3	105 10 18.32	+ 11.201	+ 0.331								2136
2137	89° 55	3	97 42 34.27	+ 11.206	+ 0.349				16385	361			2137
2138	93° 13	3	104 37 37.68	+ 11.229	+ 0.332					372			2138
2139	89° 14	3	98 19 17.71	+ 11.232	+ 0.347					371			2139
2140	86° 53	3	100 41 46.40	+ 11.239	+ 0.341				16411	375			2140
2141	84° 11	3	109 43 46.63	+ 11.246	+ 0.318				16428				2141
2142	90° 53	3	100 23 54.00	+ 11.263	+ 0.341				16425	383			2142
2143	89° 90	3	107 14 8.81	+ 11.280	+ 0.324				16439				2143
2144	83° 46	4	122 42 20.89	+ 11.290	+ 0.280			56			4293		2144
2145	89° 73	3	71 18 54.46	+ 11.291	+ 0.410	+ 0.022	1185	50	16406		4290	1411	2145
2146	86° 89	3	95 49 41.61	+ 11.292	+ 0.352				16432	395			2146
2147	83° 85	3	97 11 28.43	+ 11.325	+ 0.348				16449				2147
2148	89° 85	3	102 42 5.86	+ 11.331	+ 0.335	+ 0.025	1189	55	16457		4298		2148
2149	90° 18	3	91 8 37.09	+ 11.384	+ 0.361				16473	424			2149
2150	85° 19	3	93 23 42.28	+ 11.437	+ 0.355	+ 0.016	1194	63	16509		4316		2150
2151	84° 50	3	94 21 34.51	+ 11.440	+ 0.353					453			2151
2152	91° 86	3	108 46 43.68	+ 11.445	+ 0.318				16527				2152
2153	91° 18	3	101 10 7.26	+ 11.460	+ 0.337				16526	462			2153
2154	89° 48	3	102 24 29.54	+ 11.489	+ 0.334				16552	476			2154
2155	86° 17	3	112 47 51.96	+ 11.511	+ 0.307								2155
2156	83° 23	4	93 32 52.00	+ 11.514	+ 0.353	- 0.007	1197	69	16559	478	4333	1420	2156
2157	86° 90	3	98 35 53.86	+ 11.523	+ 0.342					486			2157
2158	83° 24	4	113 41 24.11	+ 11.524	+ 0.304			72	16579		4335		2158
2159	87° 17	3	110 41 24.98	+ 11.534	+ 0.312				16586				2159
2160	89° 85	3	111 47 0.78	+ 11.535	+ 0.309								2160

2145, 2158, are respectively 857, 868 of the Radcliffe Catalogue, 1860.

2117. The Proper Motions have been determined in the formation of the present Catalogue.

2120. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
2161	Monocerotis	7	2	89°15	3	8 20 38.331	+ 2.7367	0.0000		2161
2162	Monocerotis	7	1	89°20	3	8 20 44.914	+ 2.8767	- 0.0014		2162
2163	Monocerotis	7	3	85°44	3	8 20 46.044	+ 2.9159	- 0.0020		2163
2164	Monocerotis	6-7	4	86°20	3	8 20 48.888	+ 2.7885	- 0.0004		2164
2165	2 Hydræ	6-7	2	83°17	3	8 20 57.502	+ 3.0033	- 0.0032	- 0.0053	2165
2166	1 Ursæ Majoris ... 0	3-4*	...	83°66	4	8 21 7.460	+ 5.0481	- 0.0765	- 0.0190	2166
2167	Monocerotis	6	3	87°40	3	8 21 30.566	+ 2.8374	- 0.0010		2167
2168	Monocerotis	7	2	89°53	3	8 21 52.469	+ 2.9572	- 0.0025		2168
2169	Hydræ	7	...	90°13	3	8 22 11.339	+ 2.9954	- 0.0031		2169
2170	Monocerotis	7	3	85°83	3	8 22 20.053	+ 2.7898	- 0.0005		2170
2171	Puppis	7-8	2	89°57	3	8 22 22.737	+ 2.6094	+ 0.0011		2171
2172	29 Cancrî	6*	...	87°21	3	8 22 29.046	+ 3.3551	- 0.0097	- 0.0028	2172
2173	Monocerotis	7	1	89°50	3	8 22 39.735	+ 2.6668	+ 0.0007		2173
2174	Monocerotis	8	...	91°25	3	8 22 50.500	+ 2.7507	- 0.0001		2174
2175	Hydræ	7-6	1	88°79	3	8 22 55.933	+ 3.0317	- 0.0037		2175
2176	Monocerotis	7-6	3	84°12	3	8 22 59.659	+ 2.9113	- 0.0019		2176
2177	Monocerotis	6-7	2	83°20	3	8 23 32.849	+ 2.8935	- 0.0016		2177
2178	Mali	7	3	85°87	3	8 23 48.022	+ 2.6197	+ 0.0011		2178
2179	Hydræ	7	...	90°18	3	8 23 54.174	+ 3.0613	- 0.0041		2179
2180	Monocerotis	7	1	90°19	3	8 24 0.054	+ 2.6663	+ 0.0007		2180
2181	Monocerotis	7-8	...	91°71	3	8 25 0.596	+ 2.9464	- 0.0024		2181
2182	Monocerotis	7-8	2	88°21	3	8 25 14.997	+ 2.8218	- 0.0007		2182
2183	Monocerotis	7	1	91°51	3	8 25 32.751	+ 2.8549	- 0.0012		2183
2184	Monocerotis	7	1	89°86	3	8 25 48.382	+ 2.7750	- 0.0003		2184
2185	Mali	6-7	...	80°54	3	8 26 3.803	+ 2.4066	+ 0.0022		2185
2186	33 Cancrî η	6-5	5	85°79	30	8 26 20.867	+ 3.4806	- 0.0131	- 0.0039	2186
2187	Monocerotis	6-5	1	83°90	3	8 26 34.260	+ 2.6988	+ 0.0005		2187
2188	Monocerotis	7-8	1	90°16	3	8 26 38.884	+ 2.6671	+ 0.0009		2188
2189	Hydræ	7-8	2	90°18	3	8 26 50.454	+ 2.9837	- 0.0030		2189
2190	Monocerotis	7-8	1	89°54	3	8 26 59.830	+ 2.7241	+ 0.0003		2190
2191	Hydræ	9-8	2	89°86	3	8 27 17.862	+ 3.0036	- 0.0033		2191
2192	Monocerotis	7-6	2	83°20	3	8 27 26.653	+ 2.7927	- 0.0004		2192
2193	Monocerotis	7	3	86°79	3	8 27 29.124	+ 2.8050	- 0.0005		2193
2194	Hydræ	7	4	85°65	4	8 27 43.053	+ 2.9819	- 0.0029		2194
2195	Hydræ	7-8	4	86°87	3	8 27 49.421	+ 2.9799	- 0.0029		2195
2196	Mali	6-7	3	86°18	3	8 28 19.574	+ 2.5925	+ 0.0014		2196
2197	Hydræ	6-7	2	84°21	3	8 28 27.781	+ 3.0394	- 0.0038		2197
2198	Monocerotis	7-6	2	88°21	3	8 28 28.608	+ 2.7722	- 0.0001		2198
2199	Hydræ	7-8	2	86°15	3	8 28 56.168	+ 3.0660	- 0.0043		2199
2200	Mali	8-7	2	91°50	3	8 28 59.949	+ 2.6211	+ 0.0012		2200
2201	Mali	7-8	...	91°48	3	8 29 59.726	+ 2.6636	+ 0.0010		2201
2202	3 Hydræ	6	2	82°85	3	8 30 6.083	+ 2.9310	- 0.0022	- 0.0040	2202
2203	Mali	7	2	87°47	3	8 30 14.065	+ 2.6470	+ 0.0011		2203
2204	Hydræ	8-7	...	91°41	3	8 30 36.349	+ 2.8685	- 0.0012		2204
2205	Mali	6-7	...	84°22	3	8 30 48.623	+ 2.5460	+ 0.0018		2205

2169. The R.A. given in Weisse's Bessel for this star is 10° too great.
2187. A star of the 7-8 magnitude, Lalande 16795, precedes 8°, and is about 5' north.
2191. The R.A. given in Weisse's Bessel for this star is 10° too small.
2193. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
2161	89°15	3	107 4 52.14	+11.547	+0.321				16589				2161
2162	89°20	3	100 9 27.79	+11.556	+0.338				16580	498			2162
2163	85°44	3	98 9 20.46	+11.557	+0.343				16578	496			2163
2164	86°20	3	104 34 20.15	+11.561	+0.327				16593	503			2164
2165	83°17	3	93 37 33.79	+11.571	+0.353	+0.046	1199	73	16584	501	4342		2165
2166	81°63	23	28 54 52.61	+11.583	+0.596	+0.111	1186	57	16465			1423	2166
2167	87°40	3	102 10 24.00	+11.610	+0.332				16615			1424	2167
2168	89°53	3	96 2 49.91	+11.635	+0.346				16620	520			2168
2169	90°13	3	94 3 5.57	+11.658	+0.350				16627	534			2169
2170	85°83	3	104 34 23.98	+11.669	+0.326				16647	538		1426	2170
2171	89°57	3	113 4 33.53	+11.672	+0.304				16654				2171
2172	87°21	3	75 25 31.08	+11.679	+0.393	+0.005	1200	77	16621	529		1428	2172
2173	89°50	3	110 28 51.97	+11.692	+0.311				16658				2173
2174	91°25	3	106 30 42.11	+11.704	+0.321								2174
2175	88°79	3	92 9 11.06	+11.711	+0.354			81	16651	550			2175
2176	84°12	3	98 27 4.32	+11.716	+0.340				16657				2176
2177	83°20	3	99 23 1.43	+11.755	+0.337				16673	571			2177
2178	85°87	3	112 42 22.28	+11.773	+0.304				16702			1429	2178
2179	90°18	3	90 35 37.33	+11.780	+0.356			83	16676		4376		2179
2180	90°19	3	110 35 4.69	+11.787	+0.310				16711				2180
2181	91°71	3	96 40 18.30	+11.859	+0.341				16741				2181
2182	88°21	3	103 6 1.50	+11.875	+0.327				16752				2182
2183	91°51	3	101 25 51.36	+11.896	+0.330				16765	617			2183
2184	89°86	3	105 27 55.48	+11.914	+0.320				16774				2184
2185	80°54	3	121 47 28.30	+11.933	+0.277						4410		2185
2186	82°67	10	69 11 7.81	+11.953	+0.403	+0.047	1207	88	16760		4411	1436	2186
2187	83°90	3	109 12 21.88	+11.968	+0.311			95	16799		4418	1437	2187
2188	90°16	3	110 42 25.31	+11.974	+0.307				16801				2188
2189	90°18	3	94 44 10.75	+11.986	+0.344				16793	646			2189
2190	89°54	3	108 0 53.37	+11.998	+0.313								2190
2191	89°86	3	93 41 8.62	+12.019	+0.345					652			2191
2192	83°20	3	104 39 30.14	+12.030	+0.321				16817				2192
2193	86°79	3	104 2 42.48	+12.032	+0.322				16819	664			2193
2194	85°65	4	94 50 53.31	+12.048	+0.342				16816				2194
2195	86°87	3	94 57 8.19	+12.055	+0.342				16820				2195
2196	86°18	3	114 13 52.56	+12.091	+0.296						4442		2196
2197	84°21	3	91 46 35.91	+12.101	+0.348				16837	686		1441	2197
2198	88°21	3	105 44 5.15	+12.102	+0.317				16856				2198
2199	86°15	3	90 20 59.61	+12.133	+0.351					698			2199
2200	91°50	3	112 59 4.49	+12.138	+0.299								2200
2201	91°48	3	111 4 52.28	+12.208	+0.303				16927				2201
2202	82°85	3	97 36 14.09	+12.215	+0.334	-0.034	1212	109	16917	740	4468		2202
2203	87°47	3	111 52 27.72	+12.224	+0.301				16937				2203
2204	91°41	3	100 54 39.96	+12.249	+0.326				16943				2204
2205	84°22	3	116 27 53.17	+12.264	+0.289						4476		2205

2166, 2172, are respectively 2140, 2148 of the Radcliffe Catalogue, 1845.

2166, 2172, 2186, 2205, are respectively 866, 871, 874, 877 of the Radcliffe Catalogue, 1860.

No.	Constellation.				Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
									h.	m.	s.				
2206	Hydræ	...	...	...	7-8	3	89.14	3	8	31	20.823	+ 2.8990	- 0.0017		2206
2207	4 Hydræ	...	...	δ	4-5*	...	85.73	4	8	31	49.990	+ 3.1849	- 0.0066	- 0.0065	2207
2208	Hydræ	...	...	...	7	...	89.51	3	8	31	58.043	+ 2.7241	+ 0.0004		2208
2209	Hydræ	...	...	...	7-6	2	85.16	3	8	31	58.637	+ 2.9886	- 0.0030		2209
2210	Hydræ	...	...	...	7-6	3	85.57	3	8	32	21.377	+ 2.8450	- 0.0009		2210
2211	Hydræ	...	...	...	7	2	86.24	3	8	32	27.701	+ 2.9541	- 0.0025		2211
2212	Hydræ	...	...	...	8	4	86.51	3	8	32	35.160	+ 2.8461	- 0.0009		2212
2213	Hydræ	...	...	...	7	1	88.78	3	8	32	38.147	+ 2.9155	- 0.0020		2213
2214	Hydræ	...	...	...	7	2	87.16	3	8	32	47.088	+ 2.8614	- 0.0011		2214
2215	Hydræ	...	...	...	7-6	3	85.20	3	8	32	55.269	+ 2.9570	- 0.0025		2215
2216	5 Hydræ	...	...	σ	5*	...	81.22	3	8	33	0.561	+ 3.1409	- 0.0057	- 0.0038	2216
2217	Mali ...	...	...	g	6	...	80.21	4	8	33	10.150	+ 2.5637	+ 0.0018		2217
2218	Hydræ	...	...	...	6-7	2	88.15	3	8	33	42.692	+ 2.7047	+ 0.0006		2218
2219	Hydræ	...	...	...	7-6	2	85.86	3	8	34	2.223	+ 2.8435	- 0.0008		2219
2220	Mali ...	...	...	...	6-5	1	89.21	3	8	34	18.858	+ 2.6441	+ 0.0013	- 0.0210	2220
2221	Hydræ	...	...	...	7	2	89.57	3	8	34	28.518	+ 2.7356	+ 0.0004		2221
2222	6 Hydræ	...	...	...	6-5	3	83.66	4	8	34	48.707	+ 2.8491	- 0.0009	- 0.0077	2222
2223	Hydræ	...	...	...	7-6	...	89.88	3	8	34	50.379	+ 2.7554	+ 0.0002	0.0000	2223
2224	Mali ...	...	...	...	9-8	1	91.99	4	8	34	53.745	+ 2.6041	+ 0.0016		2224
2225	Mali ...	...	...	f	5-6	...	80.18	3	8	35	8.611	+ 2.4908	+ 0.0023		2225
2226	Hydræ	...	...	...	8-7	...	91.83	3	8	35	33.807	+ 2.8880	- 0.0015		2226
2227	Hydræ	...	...	...	7-6	3	86.52	3	8	35	41.489	+ 2.9141	- 0.0019		2227
2228	Hydræ	...	...	...	8	...	91.88	3	8	35	52.666	+ 2.8152	- 0.0004		2228
2229	Hydræ	...	...	...	8-7	1	91.75	3	8	36	36.955	+ 3.0244	- 0.0036		2229
2230	9 Hydræ	...	...	...	6*	...	84.58	3	8	36	37.066	+ 2.7841	- 0.0001	+ 0.0010	2230
2231	Mali ...	...	...	...	8-7	1	92.21	3	8	36	42.798	+ 2.6579	+ 0.0012		2231
2232	43 Cancrī	...	...	γ	4-5	1	85.90	20	8	36	55.231	+ 3.4880	- 0.0143	- 0.0087	2232
2233	Hydræ	...	...	...	7	2	88.82	3	8	36	55.438	+ 2.8604	- 0.0010		2233
2234	Hydræ	...	...	...	7-8	1	90.17	3	8	37	9.244	+ 2.9251	- 0.0020		2234
2235	7 Hydræ	...	...	η	5-4*	...	87.24	3	8	37	28.363	+ 3.1410	- 0.0059	- 0.0029	2235
2236	Hydræ	...	...	...	4-5	1	85.16	3	8	38	16.221	+ 2.9489	- 0.0024	- 0.0017	2236
2237	Hydræ	...	...	...	7-8	1	91.88	3	8	38	31.937	+ 2.9623	- 0.0026		2237
2238	Hydræ	...	...	...	7-8	3	86.89	3	8	38	33.987	+ 3.0040	- 0.0033		2238
2239	Mali ...	...	...	a	4*	...	86.90	3	8	39	10.203	+ 2.4108	+ 0.0029		2239
2240	Hydræ	...	...	...	7-8	2	91.85	3	8	39	21.255	+ 2.7015	+ 0.0009		2240
2241	Hydræ	...	...	...	7	3	84.24	3	8	39	46.820	+ 3.0331	- 0.0038		2241
2242	Hydræ	...	...	...	7-6	3	84.24	3	8	39	47.300	+ 3.0331	- 0.0038		2242
2243	Mali ...	...	...	...	7	3	89.23	3	8	39	51.700	+ 2.6293	+ 0.0016		2243
2244	Hydræ	...	...	...	8	1	91.91	3	8	39	57.385	+ 2.7976	- 0.0002		2244
2245	Hydræ	...	...	...	7-6	...	90.19	3	8	39	59.994	+ 2.6841	+ 0.0011		2245
2246	Hydræ	...	...	...	8	1	92.16	4	8	40	0.379	+ 3.0674	- 0.0044		2246
2247	Hydræ	...	...	...	6	2	84.58	3	8	40	27.699	+ 3.0431	- 0.0040		2247
2248	Hydræ	...	...	...	6-7	...	90.49	3	8	40	50.177	+ 2.8813	- 0.0012		2248
2249	Hydræ	...	...	...	7	...	90.88	3	8	40	52.191	+ 2.8846	- 0.0013		2249
2250	50 Cancrī	...	...	A ²	6*	...	83.80	3	8	40	54.104	+ 3.2990	- 0.0095	- 0.0063	2250

2211. A star of the 8-9 magnitude precedes 2^s, and is about 1' south.2213. The R. A. of this star in Weisse's Bessel is 10^s too small.

2236. This star is Flamsteed's 31 Monocerotis.

2238. The N. P. D. of this star in Weisse's Bessel appears to be about 20" too small.

2247. The magnitude assigned to this star in Weisse's Bessel is 8, and in Argelander's Zones 7.0. The N. P. D. in Weisse's Bessel is about 15" too great.

2218. Red star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2206	89°14	3	99 19 58.03	+12.301	+0.329				16965				2206
2207	87°22	3	83 54 46.39	+12.334	+0.361	+0.001	1217	114	16969	772	4485	1451	2207
2208	89°51	3	108 17 50.85	+12.344	+0.308				17001				2208
2209	85°16	3	94 33 4.64	+12.345	+0.338				16987	788			2209
2210	85°57	3	102 12 11.10	+12.370	+0.321				17011	801			2210
2211	86°24	3	96 25 28.20	+12.378	+0.334				17008	802			2211
2212	86°51	3	102 9 10.84	+12.386	+0.321				17023	808			2212
2213	88°78	3	98 29 47.13	+12.389	+0.329				17019	804			2213
2214	87°16	3	101 21 33.30	+12.400	+0.323				17032				2214
2215	85°20	3	96 16 38.13	+12.409	+0.334				17031	814			2215
2216	81°22	3	86 16 21.87	+12.415	+0.354	+0.003	1221	123	17020	810	4500	1453	2216
2217	80°21	4	115 52 12.93	+12.426	+0.288			133			4506	1455	2217
2218	88°15	3	109 21 3.39	+12.464	+0.304				17091				2218
2219	85°86	3	102 21 1.91	+12.486	+0.319				17079	848			2219
2220	89°21	3	112 17 17.69	+12.505	+0.296	-0.410			17103			1462	2220
2221	89°57	3	107 52 40.98	+12.516	+0.306				17104				2221
2222	83°66	4	102 5 12.60	+12.539	+0.319	-0.006	1229	138	17107	870	4525		2222
2223	89°88	3	106 54 35.32	+12.540	+0.308	+0.180			17110				2223
2224	91°99	4	114 11 5.66	+12.545	+0.291								2224
2225	80°18	3	119 10 10.77	+12.562	+0.278			140			4529		2225
2226	91°83	3	100 3 22.28	+12.591	+0.322					895			2226
2227	86°52	3	98 39 41.48	+12.598	+0.325				17133				2227
2228	91°88	3	103 54 9.63	+12.612	+0.314				17142	905			2228
2229	91°75	3	92 39 25.89	+12.662	+0.337				17163	916			2229
2230	84°58	3	105 32 54.30	+12.662	+0.310	+0.083	1234	146	17169		4544		2230
2231	92°21	3	111 48 8.66	+12.668	+0.295				17177				2231
2232	81°55	11	68 8 10.73	+12.682	+0.389	+0.033	1230	142	17143		4546	1465	2232
2233	88°82	3	101 34 21.46	+12.682	+0.318				17175	925			2233
2234	90°17	3	98 6 17.51	+12.698	+0.325				17183				2234
2235	87°24	3	86 12 24.64	+12.719	+0.349	-0.005	1235	147	17180	929	4557	1467	2235
2236	85°16	3	96 50 15.77	+12.773	+0.326	-0.030	1238	152	17216	957	4568	1468	2236
2237	91°88	3	96 6 27.39	+12.791	+0.327								2237
2238	86°89	3	93 48 20.42	+12.794	+0.332					961			2238
2239	85°23	4	122 47 22.86	+12.834	+0.265			162			4581	1472	2239
2240	91°85	3	109 52 9.10	+12.846	+0.297				17265				2240
2241	84°24	3	92 12 6.07	+12.875	+0.334			159	17262	986			2241
2242	84°24	3	92 12 5.69	+12.875	+0.334			160	17262	987			2242
2243	89°23	3	113 23 18.98	+12.881	+0.288				17277				2243
2244	91°91	3	105 1 28.42	+12.887	+0.307					994			2244
2245	90°19	3	110 46 8.97	+12.890	+0.294				17283				2245
2246	92°16	4	90 17 2.31	+12.890	+0.337								2246
2247	84°58	3	91 38 59.12	+12.921	+0.334				17276	997		1475	2247
2248	90°49	3	100 36 22.77	+12.946	+0.315				17302	1016			2248
2249	90°88	3	100 25 42.60	+12.948	+0.316				17304	1018			2249
2250	83°80	3	77 29 11.45	+12.950	+0.362	+0.034	1242	163	17282			1476	2250

2232 is 880 of the Radcliffe Catalogue, 1860.

2220, 2223. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
2251	11 Hydræ €	4-3	2	87°00	38	8	40	57.045	+3.1946	-0.0071	-0.0135	2251
2252	Mali	7-6	2	87.84	3	8	41	3.694	+2.5971	+0.0019		2252
2253	12 Hydræ	5-4	3	88.47	3	8	41	10.624	+2.8344	-0.0006	+0.0005	2253
2254	Hydræ	6-7	2	89.88	3	8	41	40.399	+3.0459	-0.0040		2254
2255	Hydræ	7	2	86.18	3	8	41	44.554	+2.7349	+0.0006		2255
2256	Hydræ	7	1	89.83	3	8	42	16.940	+2.7688	+0.0002		2256
2257	Hydræ	7-6	2	84.24	3	8	42	38.963	+2.9632	-0.0026		2257
2258	Hydræ	8-7	1	91.85	3	8	42	52.277	+2.9379	-0.0021		2258
2259	Hydræ	7	2	87.17	3	8	43	1.438	+3.0612	-0.0043		2259
2260	Hydræ	8-7	...	91.40	3	8	43	35.067	+2.9871	-0.0030		2260
2261	14 Hydræ	6	1	82.21	3	8	43	50.012	+3.0190	-0.0036	-0.0036	2261
2262	Hydræ	7	1	87.24	3	8	44	5.002	+2.8860	-0.0013		2262
2263	Hydræ	7-8	2	89.18	3	8	44	7.140	+2.7993	-0.0001		2263
2264	Hydræ	8-9	3	86.22	3	8	44	13.836	+2.9271	-0.0020		2264
2265	Hydræ	7	3	85.50	4	8	44	18.666	+2.9268	-0.0020		2265
2266	Hydræ	7-6	1	89.56	3	8	44	48.470	+2.6936	+0.0011		2266
2267	Hydræ	7	1	89.16	3	8	44	53.700	+3.0060	-0.0033	0.0000	2267
2268	Hydræ	7-8	3	93.12	3	8	45	7.163	+2.9971	-0.0032		2268
2269	Mali	8-9	2	91.81	3	8	45	8.986	+2.6348	+0.0018		2269
2270	Mali	6-5	...	83.73	6	8	45	23.146	+2.4363	+0.0031		2270
2271	Mali c	5*	...	80.18	3	8	45	51.847	+2.5554	+0.0024		2271
2272	15 Hydræ	6*	...	83.22	3	8	46	10.020	+2.9538	-0.0023	-0.0047	2272
2273	Mali	8-7	...	91.88	3	8	46	10.692	+2.6693	+0.0015		2273
2274	Hydræ	7	3	84.47	3	8	47	6.665	+2.8535	-0.0007		2274
2275	Hydræ	7-8	3	86.86	3	8	47	14.746	+2.7448	+0.0006		2275
2276	Mali	7	...	91.57	3	8	47	17.014	+2.5599	+0.0024		2276
2277	Hydræ	7-6	2	85.19	3	8	47	17.493	+2.8458	-0.0006		2277
2278	Mali	8-9	1	91.79	3	8	47	46.897	+2.6082	+0.0021		2278
2279	Hydræ	7	3	87.14	3	8	48	0.207	+2.7775	+0.0004		2279
2280	Hydræ	7	3	85.53	3	8	48	12.611	+2.8000	-0.0011		2280
2281	Hydræ	6-7	3	86.85	3	8	48	52.837	+2.9856	-0.0029	-0.0200	2281
2282	Hydræ	7-8	1	90.16	3	8	48	52.904	+2.9273	-0.0019		2282
2283	Hydræ	8-9	1	91.79	3	8	48	58.198	+2.7120	+0.0012		2283
2284	Hydræ	7	2	85.21	3	8	49	21.400	+2.8811	-0.0011		2284
2285	Hydræ	7-6	...	90.19	3	8	49	26.594	+3.0183	-0.0035		2285
2286	Hydræ	7	2	89.88	3	8	49	50.078	+3.0255	-0.0037		2286
2287	Hydræ	7	3	84.55	3	8	50	0.241	+2.8818	-0.0010		2287
2288	Hydræ	7-8	2	86.98	4	8	50	6.053	+2.9419	-0.0021	-0.0017	2288
2289	17 Hydræ	7	2	86.98	4	8	50	6.053	+2.9419	-0.0021	-0.0017	2289
2290	Hydræ	7-8	2	90.18	3	8	50	7.384	+3.0317	-0.0038		2290
2291	Hydræ	6-7	4	87.48	3	8	50	9.025	+2.7558	+0.0007		2291
2292	Hydræ	7-8	3	87.89	3	8	50	11.650	+2.7556	+0.0007		2292
2293	Hydræ	8	...	91.88	3	8	50	16.795	+2.8273	-0.0003		2293
2294	Hydræ T	Var.	3	91.60	3	8	50	18.665	+2.9215	-0.0018		2294
2295	Hydræ	7-6	4	88.89	3	8	50	45.453	+2.8089	+0.0001		2295

2251. Double. Companion of the 9-8 magnitude.

2287. The N.P.D. of this star in Weisse's Bessel is 1' too small. A star of the 9 magnitude precedes 3^s, and is 1' south.

2288, 2289. These stars are so close in R.A. that the mean position has been observed, and is given for both the stars: but the observers considered that the brighter and southern star very slightly followed.

2294. The limits of magnitude are 7.0 and below 13: the period is 289 days.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2251	82.77	7	83 10 40.67	+ 12.954	+ 0.350	+ 0.023	1243	164	17290	1008	4610	1477	2251
2252	87.84	3	114 59 15.87	+ 12.961	+ 0.283						4612		2252
2253	88.47	3	103 8 44.91	+ 12.969	+ 0.310	+ 0.009	1244	166	17313	1032	4613		2253
2254	89.88	3	91 29 39.45	+ 13.001	+ 0.333			167	17318	1037	4621	1478	2254
2255	86.18	3	108 21 19.30	+ 13.006	+ 0.298				17333			1479	2255
2256	89.83	3	106 38 56.69	+ 13.042	+ 0.301				17355				2256
2257	84.24	3	96 9 11.99	+ 13.067	+ 0.322				17362	1062			2257
2258	91.85	3	97 34 1.53	+ 13.081	+ 0.319				17372	1065			2258
2259	87.17	3	90 38 20.66	+ 13.091	+ 0.333				17370	1066			2259
2260	91.40	3	94 49 57.76	+ 13.129	+ 0.324				17390	1078			2260
2261	82.21	3	93 2 6.62	+ 13.145	+ 0.327	+ 0.019	1249	177	17396		4660		2261
2262	87.24	3	100 28 42.02	+ 13.161	+ 0.312				17411	1101			2262
2263	89.18	3	105 9 23.38	+ 13.164	+ 0.302				17419				2263
2264	86.22	3	98 12 26.12	+ 13.171	+ 0.316				17415	1106			2264
2265	85.50	4	98 13 41.94	+ 13.177	+ 0.316				17418	1109			2265
2266	89.56	3	110 38 16.84	+ 13.209	+ 0.290				17448				2266
2267	89.16	3	93 47 4.17	+ 13.215	+ 0.324	+ 0.150			17438				2267
2268	93.12	3	94 17 27.06	+ 13.229	+ 0.323				17444				2268
2269	91.81	3	113 32 37.30	+ 13.232	+ 0.283				17461				2269
2270	83.73	6	122 22 13.19	+ 13.247	+ 0.261			190			4675		2270
2271	80.18	3	117 18 9.14	+ 13.279	+ 0.274			193			4685	1485	2271
2272	83.22	3	96 45 55.35	+ 13.298	+ 0.317	0.000	1256	189	17490		4688	1487	2272
2273	91.88	3	111 56 49.07	+ 13.300	+ 0.286				17504				2273
2274	84.47	3	102 23 30.72	+ 13.360	+ 0.305				17534				2274
2275	86.86	3	108 12 8.36	+ 13.369	+ 0.293				17542				2275
2276	88.99	4	117 13 43.34	+ 13.371	+ 0.273						4701		2276
2277	85.19	3	102 49 9.04	+ 13.371	+ 0.304				17541	1184			2277
2278	91.79	3	115 1 46.51	+ 13.404	+ 0.277								2278
2279	87.14	3	106 32 9.41	+ 13.418	+ 0.295				17568				2279
2280	85.53	3	100 58 36.95	+ 13.432	+ 0.306				17570	1209			2280
2281	86.85	3	95 1 6.39	+ 13.476	+ 0.317	0.000				1219			2281
2282	90.16	3	98 20 38.97	+ 13.476	+ 0.310				17586				2282
2283	91.79	3	110 0 46.08	+ 13.481	+ 0.287				17603				2283
2284	85.21	3	100 57 34.57	+ 13.506	+ 0.305				17610	1234			2284
2285	90.19	3	93 8 16.14	+ 13.512	+ 0.319				17604				2285
2286	89.88	3	92 43 38.85	+ 13.537	+ 0.320				17612				2286
2287	84.55	3	100 57 6.78	+ 13.548	+ 0.304				17624	1249			2287
2288	86.98	4	97 32 58.65	+ 13.554	+ 0.310	+ 0.010	1264	215	17625	1250	4732		2288
2289	86.98	4	97 33 3.29	+ 13.554	+ 0.310	+ 0.010	1264	214	17625	1251	4731		2289
2290	90.18	3	92 22 19.97	+ 13.555	+ 0.320				17618	1245			2290
2291	87.48	3	107 49 19.32	+ 13.557	+ 0.290				17636				2291
2292	87.48	3	107 50 16.25	+ 13.561	+ 0.290				17638				2292
2293	91.88	3	103 59 12.32	+ 13.566	+ 0.298								2293
2294	91.60	3	98 43 19.26	+ 13.568	+ 0.308								2294
2295	88.89	3	105 1 4.55	+ 13.596	+ 0.295				17657	1269			2295

2251 is 2205 of the Radcliffe Catalogue, 1845.

2251, 2288, 2289, 2294, are respectively 887, 905, 906, 909 of the Radcliffe Catalogue, 1860.

2267, 2281. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
2296	Mali <i>d</i>	6-5*	...	80.64	7	8	50	48.228	+ 2.5663	+ 0.0026		2296
2297	Mali	7-6	...	89.56	3	8	51	4.753	+ 2.6478	+ 0.0020		2297
2298	Hydræ	7-6	...	91.57	3	8	51	27.599	+ 2.7862	+ 0.0004		2298
2299	Hydræ	6-7	1	90.54	3	8	51	44.923	+ 2.7731	+ 0.0005		2299
2300	Hydræ	8-9	1	92.20	3	8	51	51.576	+ 2.9642	- 0.0025		2300
2301	Hydræ	8	1	92.15	3	8	51	54.686	+ 3.0685	- 0.0045		2301
2302	Hydræ	8-7	1	92.19	4	8	52	10.842	+ 2.9060	- 0.0014		2302
2303	65 Cancrî <i>α</i>	4*	...	86.41	20	8	52	28.281	+ 3.2850	- 0.0098	+ 0.0010	2303
2304	Hydræ	7	2	84.21	3	8	52	29.066	+ 2.9968	- 0.0031		2304
2305	8 Ursæ Majoris <i>ρ</i>	5-4	1	90.24	3	8	52	37.096	+ 5.4934	- 0.1362	- 0.0036	2305
2306	Hydræ	7-8	2	90.20	3	8	52	48.874	+ 2.7471	+ 0.0009		2306
2307	Mali	7	1	87.25	3	8	52	49.746	+ 2.5698	+ 0.0027		2307
2308	Hydræ	6-7	3	83.89	3	8	53	34.092	+ 2.7992	+ 0.0003	+ 0.0120	2308
2309	Hydræ	7-8	...	93.11	3	8	53	39.580	+ 2.7881	+ 0.0005		2309
2310	Hydræ	7	4	87.90	3	8	53	47.219	+ 2.8023	+ 0.0002		2310
2311	Hydræ	8	...	92.20	3	8	54	31.199	+ 2.8209	0.0000		2311
2312	Hydræ	7-6	1	85.24	3	8	54	38.412	+ 2.7437	+ 0.0011		2312
2313	Mali	7	2	91.18	3	8	54	59.737	+ 2.6771	+ 0.0018		2313
2314	Hydræ	7-8	2	90.18	3	8	55	17.234	+ 2.8726	- 0.0008		2314
2315	Hydræ	7	1	90.18	3	8	55	23.984	+ 2.9239	- 0.0018		2315
2316	Hydræ	8	...	80.97	4	8	55	25.532	+ 2.8011	+ 0.0003		2316
2317	Hydræ	8	2	92.22	3	8	55	26.275	+ 2.8546	- 0.0005		2317
2318	Mali	7	2	86.84	3	8	55	40.537	+ 2.7070	+ 0.0015		2318
2319	Hydræ	8-7	...	92.19	3	8	55	41.931	+ 3.0367	- 0.0038		2319
2320	Hydræ	7-6	2	83.92	3	8	56	1.409	+ 3.0048	- 0.0032		2320
2321	Mali	7-8	1	90.22	3	8	56	1.764	+ 2.6499	+ 0.0023		2321
2322	Hydræ	7-8	1	90.88	3	8	56	2.367	+ 3.0550	- 0.0042		2322
2323	Hydræ	6-7	3	86.53	3	8	56	20.817	+ 3.0716	- 0.0046		2323
2324	Hydræ	7-8	1	91.43	3	8	56	34.392	+ 2.9387	- 0.0019		2324
2325	Hydræ	7-8	4	88.47	3	8	57	50.690	+ 3.0057	- 0.0032		2325
2326	Hydræ	7-8	1	91.91	3	8	57	55.227	+ 2.8423	- 0.0002		2326
2327	Hydræ	8-9	1	92.23	3	8	57	55.606	+ 2.9806	- 0.0027		2327
2328	Mali	8-7	...	92.45	3	8	58	6.970	+ 2.7235	+ 0.0014		2328
2329	Hydræ	8	4	88.49	3	8	58	9.397	+ 3.0060	- 0.0032		2329
2330	Hydræ	7	1	86.54	3	8	58	14.428	+ 2.9936	- 0.0029		2330
2331	Mali	8	1	92.58	3	8	58	33.830	+ 2.6773	+ 0.0020		2331
2332	Hydræ	7	3	86.86	3	8	58	39.083	+ 2.7807	+ 0.0007		2332
2333	Hydræ	7-8	2	85.20	3	8	59	33.890	+ 3.0172	- 0.0034		2333
2334	Hydræ	7	2	89.86	3	8	59	37.701	+ 2.9109	- 0.0014		2334
2335	Hydræ	7-8	1	92.46	4	9	0	42.407	+ 2.8909	- 0.0009		2335
2336	Mali	9	3	92.25	4	9	1	30.955	+ 2.6943	+ 0.0019		2336
2337	Mali	8	2	91.92	3	9	1	38.137	+ 2.6601	+ 0.0024		2337
2338	76 Cancrî <i>κ</i>	6-5	3	86.82	27	9	1	47.355	+ 3.2567	- 0.0094	- 0.0028	2338
2339	Hydræ	7	3	83.16	3	9	1	49.949	+ 2.7722	+ 0.0010		2339
2340	14 Ursæ Majoris <i>τ</i>	5	1	90.24	3	9	1	50.581	+ 4.9916	- 0.1034	+ 0.0140	2340

2299. Close double. The components are equal in magnitude, and the mean has been observed.
2304. The R.A. given in Weisse's Bessel for this star is 10^s too great.
2315. A star of the 7 magnitude, Lalande 17822, follows 16^s, and is about 1'.30" south.
2327. The R. A. given in Weisse's Bessel for this star is about 1^s.5 too small.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2296	80.59	8	117 15 30.44	+ 13.599	+ 0.269			220			4740	1497	2296
2297	89.56	3	113 23 56.35	+ 13.617	+ 0.278				17677				2297
2298	91.57	3	106 17 10.76	+ 13.642	+ 0.292				17646				2298
2299	90.54	3	107 0 41.72	+ 13.660	+ 0.290				17696				2299
2300	92.20	3	96 19 1.51	+ 13.668	+ 0.310					1294			2300
2301	92.15	3	90 14 1.61	+ 13.671	+ 0.322				17688	1293			2301
2302	92.22	3	99 40 4.37	+ 13.688	+ 0.304					1306			2302
2303	81.97	9	77 42 59.77	+ 13.706	+ 0.344	+ 0.022	1269	222	17693	1300	4752	1504	2303
2304	84.21	3	94 26 1.86	+ 13.707	+ 0.313				17713	1317			2304
2305	83.63	16	21 56 32.78	+ 13.715	+ 0.579	- 0.016	1257	207				1503	2305
2306	90.20	3	108 27 49.69	+ 13.728	+ 0.286				17733				2306
2307	87.25	3	117 17 31.52	+ 13.729	+ 0.267						4756		2307
2308	83.89	3	105 42 47.94	+ 13.776	+ 0.291	- 0.190		227	17758		4765	1506	2308
2309	93.11	3	106 19 21.71	+ 13.782	+ 0.290				17763				2309
2310	87.72	4	105 33 31.24	+ 13.790	+ 0.291				17766				2310
2311	92.20	3	104 34 24.71	+ 13.836	+ 0.292								2311
2312	85.24	3	108 46 37.16	+ 13.844	+ 0.284				17785				2312
2313	91.18	3	112 15 49.94	+ 13.867	+ 0.276				17808				2313
2314	90.18	3	101 42 38.13	+ 13.885	+ 0.296				17806				2314
2315	90.18	3	98 45 41.13	+ 13.892	+ 0.302				17812	1383			2315
2316	80.97	4	105 43 28.53	+ 13.893	+ 0.289				17817			1509	2316
2317	92.22	3	102 44 16.94	+ 13.894	+ 0.294					1387			2317
2318	86.84	3	110 47 13.52	+ 13.910	+ 0.278				17834				2318
2319	92.19	3	92 7 47.69	+ 13.911	+ 0.313			235	17815	1388			2319
2320	83.92	3	94 1 32.23	+ 13.931	+ 0.309				17831	1399			2320
2321	90.22	3	113 43 24.85	+ 13.932	+ 0.272						4786		2321
2322	90.88	3	91 2 42.15	+ 13.932	+ 0.314			237	17827	1397			2322
2323	86.53	3	90 3 11.81	+ 13.952	+ 0.316				17835	1406		1512	2323
2324	91.43	3	97 56 25.88	+ 13.966	+ 0.302			238	17849				2324
2325	88.47	3	94 0 26.92	+ 14.046	+ 0.307					1433			2325
2326	92.23	3	103 34 10.87	+ 14.050	+ 0.290				17885	1439			2326
2327	92.23	3	95 30 14.01	+ 14.051	+ 0.304					1435			2327
2328	92.45	3	110 6 44.71	+ 14.062	+ 0.277				17903				2328
2329	88.49	3	93 59 38.15	+ 14.065	+ 0.306					1440			2329
2330	86.54	3	94 44 11.41	+ 14.070	+ 0.305				17889	1442			2330
2331	92.58	3	112 33 45.79	+ 14.091	+ 0.272								2331
2332	86.86	3	107 3 38.77	+ 14.096	+ 0.282				17921				2332
2333	85.20	3	93 20 35.81	+ 14.153	+ 0.306				17930	1475			2333
2334	89.86	3	99 41 7.17	+ 14.157	+ 0.295					1477			2334
2335	92.46	4	100 54 14.87	+ 14.223	+ 0.291				17977	1498			2335
2336	92.25	4	111 56 14.94	+ 14.273	+ 0.270								2336
2337	91.92	3	113 43 2.63	+ 14.280	+ 0.266								2337
2338	81.60	5	78 53 21.25	+ 14.290	+ 0.327	- 0.009	1287	255	17995	1515	4839	1522	2338
2339	83.16	3	107 45 34.36	+ 14.293	+ 0.278				18015				2339
2340	84.08	14	26 2 22.52	+ 14.294	+ 0.505	+ 0.067	1279	247				1521	2340

2303, 2305, 2338, 2340, are respectively 2246, 2241, 2278, 2276 of the Radcliffe Catalogue, 1845.
 2303, 2338, 2340, are respectively 911, 922, 921 of the Radcliffe Catalogue, 1860.
 2308. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.				Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R. A.	Precess.	Sec. Var.	Proper Motion.	No.
									h. m. s.	s.	s.	s.	
2341	Hydræ	...	...	...	7-8	2	88.89	3	9 2 0.246	+ 2.8585	- 0.0003		2341
2342	Hydræ	...	...	...	7	3	86.53	3	9 2 27.485	+ 3.0393	- 0.0039		2342
2343	Hydræ	...	...	...	7-8	3	85.27	3	9 3 18.178	+ 2.8282	+ 0.0003	- 0.0351	2343
2344	19 Hydræ	...	...	...	6-5	...	84.56	3	9 3 19.133	+ 2.9392	- 0.0018	- 0.0023	2344
2345	Hydræ	...	...	...	7-8	2	89.51	3	9 3 33.142	+ 2.9032	- 0.0010	- 0.0280	2345
2346	Hydræ	...	...	...	7	2	89.23	3	9 3 35.426	+ 2.8087	+ 0.0006		2346
2347	Canceri	...	...	...	7	...	88.86	3	9 3 47.711	+ 3.2703	- 0.0099		2347
2348	Hydræ	...	...	...	6-7	2	84.90	3	9 3 54.799	+ 2.8765	- 0.0006		2348
2349	Mali ...	...	...	...	7-6	1	86.88	3	9 3 56.183	+ 2.6129	+ 0.0030		2349
2350	Hydræ	...	...	...	6-7	4	87.12	3	9 3 59.614	+ 2.7729	+ 0.0011		2350
2351	Hydræ	...	...	...	8	...	92.53	3	9 4 4.087	+ 2.7532	+ 0.0013		2351
2352	Mali ...	...	...	...	7-8	1	89.58	3	9 4 9.731	+ 2.7259	+ 0.0017		2352
2353	20 Hydræ	...	...	...	6	2	82.87	3	9 4 12.742	+ 2.9365	- 0.0017	- 0.0028	2353
2354	Hydræ	...	...	...	7-8	...	92.20	3	9 4 20.049	+ 2.9175	- 0.0014		2354
2355	Hydræ	...	...	...	7-8	2	91.91	3	9 4 27.138	+ 2.8515	- 0.0001		2355
2356	Mali ...	...	...	...	7-8	2	92.27	3	9 4 41.893	+ 2.6955	+ 0.0021		2356
2357	Hydræ	...	...	...	8-7	...	92.03	3	9 4 53.371	+ 2.9800	- 0.0026		2357
2358	Hydræ	...	...	...	7-8	3	87.18	3	9 4 59.827	+ 3.0244	- 0.0035		2358
2359	Hydræ	...	...	...	7-8	...	92.23	3	9 5 2.504	+ 2.8002	+ 0.0007		2359
2360	Mali ...	...	...	e	6	...	80.89	3	9 5 16.602	+ 2.5413	+ 0.0038		2360
2361	Mali ...	...	...	...	7-6	...	89.88	3	9 5 27.583	+ 2.6861	+ 0.0023		2361
2362	Hydræ	...	...	...	8-9	...	92.55	3	9 5 29.226	+ 3.0548	- 0.0042		2362
2363	16 Ursæ Majoris	...	...	c	5*	...	90.58	3	9 5 38.456	+ 4.7971	- 0.0913	- 0.0019	2363
2364	80 Canceri	...	...	...	7-6	...	89.85	3	9 5 46.123	+ 3.3806	- 0.0135	- 0.0053	2364
2365	Hydræ	...	...	...	7-8	2	91.59	3	9 6 30.555	+ 3.0066	- 0.0031		2365
2366	Hydræ	...	...	...	7-6	1	85.23	3	9 6 56.402	+ 2.7517	+ 0.0015		2366
2367	21 Hydræ	...	...	...	6-7	3	83.22	4	9 7 0.106	+ 2.9656	- 0.0022	- 0.0026	2367
2368	Hydræ	...	...	...	7-8	3	86.55	3	9 7 7.902	+ 3.0312	- 0.0036		2368
2369	Canceri	...	...	...	7-6	2	90.39	4	9 7 20.341	+ 3.4371	- 0.0155	- 0.0019	2369
2370	22 Hydræ	...	...	θ	4-3	1	83.86	3	9 8 38.529	+ 3.1166	- 0.0057	+ 0.0078	2370
2371	Hydræ	...	...	...	7-6	2	86.18	3	9 8 50.442	+ 2.8420	+ 0.0002		2371
2372	Mali ...	...	...	...	7-8	3	87.59	3	9 8 50.569	+ 2.6979	+ 0.0023		2372
2373	Hydræ	...	...	...	7-6	2	84.59	3	9 9 16.318	+ 3.0546	- 0.0042		2373
2374	Hydræ	...	...	...	7-8	2	89.20	3	9 9 58.336	+ 2.9451	- 0.0017		2374
2375	Hydræ	...	...	...	7-6	3	85.27	3	9 10 12.854	+ 2.8380	+ 0.0004		2375
2376	Hydræ	...	...	...	7-8	3	91.57	3	9 10 25.327	+ 2.8698	- 0.0002		2376
2377	Mali ...	...	...	...	7	1	90.19	3	9 10 41.434	+ 2.6897	+ 0.0026		2377
2378	Hydræ	...	...	...	8	...	91.77	3	9 10 55.953	+ 3.0105	- 0.0031		2378
2379	Hydræ	...	...	...	7	2	89.55	3	9 11 13.423	+ 2.8590	+ 0.0001		2379
2380	23 Hydræ	...	...	...	5-6	2	87.18	3	9 11 13.917	+ 2.9798	- 0.0024	- 0.0022	2380
2381	24 Hydræ	...	...	...	6-7	1	84.22	3	9 11 17.999	+ 2.9418	- 0.0016	- 0.0028	2381
2382	Hydræ	...	...	...	7-8	1	90.22	3	9 11 21.584	+ 2.7635	+ 0.0017		2382
2383	Hydræ	...	...	...	6-7	1	90.56	3	9 11 37.729	+ 2.9041	- 0.0008		2383
2384	Mali ...	...	...	...	7-8	...	92.20	3	9 11 51.234	+ 2.7199	+ 0.0022		2384
2385	Hydræ	...	...	...	6	...	83.24	9	9 11 54.537	+ 2.8475	+ 0.0003		2385

2382. Lalande's N. P. D. appears to be about 20" too great.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2341	88° 89	3	102 51 57.03	+ 14.303	+ 0.286				18018	1529			2341
2342	86° 53	3	92 1 56.08	+ 14.330	+ 0.304			260	18023	1534			2342
2343	85° 27	3	104 41 40.15	+ 14.382	+ 0.281	+ 0.196			18067	9			2343
2344	84° 56	3	98 8 41.49	+ 14.383	+ 0.293	- 0.002	1292	264	18059	4	4851	1525	2344
2345	89° 51	3	100 18 34.25	+ 14.398	+ 0.289	+ 0.080			18069	16			2345
2346	89° 23	3	105 49 50.26	+ 14.400	+ 0.279				18074				2346
2347	88° 86	3	77 59 16.07	+ 14.413	+ 0.325			263	18058			1526	2347
2348	84° 90	3	101 54 44.55	+ 14.420	+ 0.285				18083	28		1528	2348
2349	86° 88	3	116 19 21.75	+ 14.421	+ 0.259						4859		2349
2350	87° 12	3	107 53 0.89	+ 14.425	+ 0.275				18091				2350
2351	92° 53	3	108 58 32.55	+ 14.429	+ 0.273								2351
2352	89° 58	3	110 28 54.25	+ 14.435	+ 0.270				18097				2352
2353	82° 87	3	98 20 28.86	+ 14.438	+ 0.291	- 0.009	1294	267	18089	32	4861		2353
2354	92° 20	3	99 29 29.32	+ 14.445	+ 0.289								2354
2355	91° 91	3	103 24 39.73	+ 14.452	+ 0.282				18099				2355
2356	92° 27	3	112 9 21.84	+ 14.467	+ 0.266				18112				2356
2357	92° 03	3	95 42 45.08	+ 14.478	+ 0.295				18106	48			2357
2358	87° 18	3	92 58 43.01	+ 14.486	+ 0.299				18110	50			2358
2359	92° 23	3	106 24 56.45	+ 14.489	+ 0.276				18123				2359
2360	80° 72	4	119 54 59.29	+ 14.503	+ 0.250			7			4874		2360
2361	89° 88	3	112 43 43.76	+ 14.514	+ 0.264				18140				2361
2362	92° 55	3	91 6 0.45	+ 14.515	+ 0.301				18125	60			2362
2363	82° 42	5	28 7 25.63	+ 14.524	+ 0.476	+ 0.030	1288	261	18036			1531	2363
2364	89° 85	3	71 30 20.09	+ 14.532	+ 0.334	+ 0.008	1296	3	18116			1532	2364
2365	91° 59	3	94 6 17.52	+ 14.577	+ 0.295				18159	76			2365
2366	85° 23	3	109 17 53.80	+ 14.602	+ 0.269			13	18189			1535	2366
2367	83° 22	4	96 39 32.65	+ 14.606	+ 0.290	- 0.047	1301	11	18178	87	4888		2367
2368	86° 55	3	92 34 50.02	+ 14.615	+ 0.296				18180	90			2368
2369	90° 39	4	68 15 49.83	+ 14.626	+ 0.337	+ 0.016	1299		18163			1536	2369
2370	83° 86	3	87 13 19.65	+ 14.704	+ 0.303	+ 0.309	1303	18	18219	129	4904	1540	2370
2371	86° 18	3	104 14 24.12	+ 14.715	+ 0.275			21	18242	136			2371
2372	87° 59	3	112 25 2.15	+ 14.716	+ 0.261				18250				2372
2373	84° 59	3	91 7 52.90	+ 14.741	+ 0.296				18246	139			2373
2374	89° 20	3	98 1 33.19	+ 14.783	+ 0.284				18272	159			2374
2375	85° 27	3	104 34 4.28	+ 14.798	+ 0.273				18285	168			2375
2376	91° 57	3	102 40 24.67	+ 14.809	+ 0.276				18292	170			2376
2377	90° 19	3	113 2 9.11	+ 14.825	+ 0.258				18308				2377
2378	91° 77	3	93 56 44.32	+ 14.840	+ 0.289				18303	176			2378
2379	89° 55	3	103 22 34.71	+ 14.856	+ 0.274				18317	187			2379
2380	87° 18	3	95 53 40.04	+ 14.857	+ 0.285	- 0.021	1307	30	18309	183	4934	1543	2380
2381	84° 22	3	98 17 9.38	+ 14.861	+ 0.282	- 0.025	1308	32	18315	186	4937		2381
2382	90° 22	3	108 59 59.69	+ 14.865	+ 0.264				18325				2382
2383	90° 56	3	100 38 30.08	+ 14.881	+ 0.278				18329	197			2383
2384	92° 20	3	111 29 43.05	+ 14.894	+ 0.259								2384
2385	83° 24	9	104 6 51.66	+ 14.897	+ 0.272			39	18339	204	4946		2385

2363, 2370, are respectively 2286, 2297 of the Radcliffe Catalogue, 1845.

2363, 2370, are respectively 928, 935, of the Radcliffe Catalogue, 1860.

2343. The Proper Motions have been taken from Bonn Obs., Vol. VII.

2345. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.				Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R.A.		Precess.	Sec. Var.	Proper Motion.	No.
									h. m. s.	s.		s.		
2386	83	Canceri	...	...	6	1	85.80	21	9 12 50.533	+ 3.3649	- 0.0133	- 0.0090		2386
2387		Hydræ	...	...	7-8	1	92.14	3	9 13 3.663	+ 2.7870	+ 0.0014			2387
2388		Hydræ	...	...	8	2	91.92	3	9 13 21.876	+ 2.7507	+ 0.0019			2388
2389		Hydræ	...	...	8-7	2	89.73	4	9 13 33.465	+ 3.0416	- 0.0038			2389
2390		Hydræ	...	...	7-8	2	89.86	3	9 13 48.505	+ 2.8126	+ 0.0010			2390
2391		Hydræ	...	...	7-8	2	87.58	3	9 14 9.376	+ 2.7132	+ 0.0025			2391
2392		Hydræ	...	...	7	3	83.25	3	9 14 15.044	+ 2.9029	- 0.0006			2392
2393	40	Lyncis	...	...	a	3-4*	...	90.89	3	9 14 21.153	+ 3.6884	- 0.0267	- 0.0202	2393
2394		Hydræ	...	...	6	2	86.18	3	9 14 21.502	+ 2.8294	+ 0.0008			2394
2395	26	Hydræ	...	...	5	3	85.28	3	9 14 28.484	+ 2.8925	- 0.0004	- 0.0027		2395
2396		Hydræ	...	...	7	...	89.87	3	9 14 39.574	+ 2.8712	0.0000			2396
2397		Hydræ	...	...	7	1	90.14	3	9 14 58.784	+ 2.9306	- 0.0012	+ 0.0007		2397
2398	27	Hydræ	...	...	5	2	84.58	3	9 15 6.668	+ 2.9316	- 0.0013	- 0.0016		2398
2399		Mali	...	...	6	...	85.23	2	9 15 14.112	+ 2.4867	+ 0.0049			2399
2400		Hydræ	...	...	8-7	1	91.87	3	9 15 19.833	+ 2.9603	- 0.0018			2400
2401		Hydræ	...	...	6-7	2	87.87	3	9 15 43.035	+ 2.8347	+ 0.0007			2401
2402		Hydræ	...	...	7	2	84.74	4	9 16 11.068	+ 3.0369	- 0.0036			2402
2403		Hydræ	...	...	8-9	2	85.25	2	9 16 21.648	+ 3.0367	- 0.0036			2403
2404		Hydræ	...	...	7-8	1	91.87	4	9 16 54.906	+ 2.9870	- 0.0024			2404
2405		Hydræ	...	...	8-9	1	92.23	3	9 16 55.394	+ 3.0633	- 0.0043			2405
2406		Hydræ	...	...	7	2	86.24	3	9 17 19.402	+ 2.8429	+ 0.0006			2406
2407		Hydræ	...	...	7-8	4	86.83	3	9 17 20.494	+ 3.0029	- 0.0028			2407
2408		Hydræ	...	...	7	2	88.17	3	9 17 21.609	+ 2.7991	+ 0.0014			2408
2409		Hydræ	...	...	6	1	82.56	3	9 17 28.949	+ 2.9289	- 0.0011			2409
2410		Hydræ	...	...	7-6	...	89.53	3	9 18 12.402	+ 2.7470	+ 0.0023			2410
2411		Hydræ	...	...	8-7	...	92.11	3	9 18 20.053	+ 2.8207	+ 0.0011			2411
2412		Mali	...	...	6-5*	...	80.97	4	9 18 26.461	+ 2.6048	+ 0.0042			2412
2413		Hydræ	...	...	7	3	87.52	3	9 18 31.359	+ 2.9968	- 0.0027			2413
2414		Mali	...	...	8	2	91.99	4	9 18 51.321	+ 2.7022	+ 0.0030			2414
2415		Hydræ	...	...	7-6	1	83.17	3	9 19 21.912	+ 3.0151	- 0.0030			2415
2416		Hydræ	...	...	8	1	92.48	4	9 19 34.384	+ 2.9135	- 0.0007			2416
2417	28	Hydræ	...	...	A	1	83.86	5	9 19 53.940	+ 3.0027	- 0.0027	- 0.0033		2417
2418		Hydræ	...	...	7-6	3	88.25	3	9 20 27.460	+ 3.0611	- 0.0042			2418
2419		Mali	...	...	7	2	84.60	3	9 20 42.653	+ 2.6758	+ 0.0035			2419
2420		Hydræ	...	...	6-7	...	90.54	3	9 20 46.128	+ 3.0577	- 0.0041			2420
2421		Hydræ	...	...	7	1	89.92	3	9 20 48.622	+ 2.8032	+ 0.0016			2421
2422		Hydræ	...	...	7	2	90.24	3	9 20 52.424	+ 2.7563	+ 0.0023			2422
2423		Hydræ	...	...	8-7	2	81.26	2	9 21 0.299	+ 2.9505	- 0.0015			2423
2424		Draconis	...	...	4-5*	...	90.83	3	9 21 21.536	+ 9.0019	- 0.7844	- 0.0173		2424
2425		Hydræ	...	...	8-7	...	92.45	3	9 21 27.918	+ 2.8597	+ 0.0005			2425
2426		Hydræ	...	...	7-8	1	91.20	3	9 21 42.543	+ 2.7846	+ 0.0020			2426
2427		Hydræ	...	...	8-7	3	91.92	3	9 21 46.659	+ 2.8848	+ 0.0001			2427
2428	29	Hydræ	...	...	7-6	...	91.56	3	9 21 51.239	+ 2.9416	- 0.0012	- 0.0046		2428
2429	30	Hydræ	...	...	a	2*	85.76	61	9 22 10.867	+ 2.9503	- 0.0014	- 0.0019		2429
2430		Hydræ	...	...	5-4	2	90.24	3	9 22 16.220	+ 2.7318	+ 0.0028	+ 0.0173		2430

2388. A star of the 9-8 magnitude precedes about 5^s, and is a few seconds north.

2390. A fainter star, Lalande 18392, precedes about 3^s, and is about 1' south.

2413. A star of the 7-8 magnitude, Lalande 18529, precedes about 5^s, and is nearly 4' north.

2423. The Declination given in Weisse's Bessel for this star is wrong in sign.

2418. Reddish-yellow star.

2429. Yellowish-red star.

No.	Mean Time of Observa- tion.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
2386	85°21	8	71 49 42.50	+ 14.951	+ 0.321	+ 0.139	1309	42	18342		4956	1547	2386
2387	92°14	3	107 47 10.59	+ 14.964	+ 0.264				18374				2387
2388	91°92	3	109 54 27.65	+ 14.982	+ 0.260								2388
2389	89°57	3	91 59 41.21	+ 14.993	+ 0.288				18377	237			2389
2390	89°86	3	106 20 14.76	+ 15.008	+ 0.266				18396				2390
2391	87°58	3	112 5 24.45	+ 15.028	+ 0.256				18406				2391
2392	83°25	3	100 51 5.42	+ 15.034	+ 0.274				18404	256			2392
2393	83°87	10	55 8 33.21	+ 15.039	+ 0.349	- 0.027	1312	48	18371			1550	2393
2394	86°18	3	105 22 8.08	+ 15.039	+ 0.266			52	18407	260	4969		2394
2395	85°28	3	101 30 39.75	+ 15.046	+ 0.272	- 0.024	1314	53	18408	261	4971		2395
2396	89°87	3	102 50 28.64	+ 15.057	+ 0.270				18420	267			2396
2397	90°14	3	99 8 38.65	+ 15.076	+ 0.275	+ 0.030	1316	56	18425	272	4976		2397
2398	84°58	3	99 5 21.04	+ 15.083	+ 0.275	+ 0.007	1317	57	18429	277	4978		2398
2399	83°90	3	123 38 19.76	+ 15.090	+ 0.232						4981		2399
2400	91°87	3	97 15 48.76	+ 15.096	+ 0.278				18436	284			2400
2401	87°87	3	105 8 53.20	+ 15.118	+ 0.265			59	18450	293			2401
2402	85°25	2	92 19 31.17	+ 15.145	+ 0.284				18456	298			2402
2403	85°25	2	92 20 18.69	+ 15.155	+ 0.284				18461	304			2403
2404	91°87	4	95 35 31.25	+ 15.187	+ 0.278				18477				2404
2405	92°23	3	90 36 23.77	+ 15.187	+ 0.285					315			2405
2406	86°24	3	104 45 54.79	+ 15.209	+ 0.264				18496				2406
2407	86°83	3	94 34 13.25	+ 15.210	+ 0.279				18488	321			2407
2408	88°17	3	107 25 26.62	+ 15.212	+ 0.260				18502				2408
2409	82°56	3	99 22 7.22	+ 15.219	+ 0.272			68	18497	329	5001		2409
2410	89°53	3	110 34 3.76	+ 15.260	+ 0.253			73	18539				2410
2411	92°11	3	106 11 43.71	+ 15.267	+ 0.260				18540				2411
2412	80°80	5	118 21 50.48	+ 15.274	+ 0.240			75			5012	1556	2412
2413	87°52	3	94 59 42.97	+ 15.278	+ 0.277			72	18534	348			2413
2414	91°99	4	113 11 14.86	+ 15.297	+ 0.248								2414
2415	83°17	3	93 48 30.21	+ 15.326	+ 0.277				18558				2415
2416	92°48	4	100 27 41.25	+ 15.337	+ 0.267				18565	375			2416
2417	83°62	3	94 38 35.16	+ 15.356	+ 0.275	- 0.007	1326	77	18570	381	5029		2417
2418	88°25	3	90 45 35.16	+ 15.387	+ 0.280				18583	393			2418
2419	84°60	3	114 51 43.78	+ 15.402	+ 0.243						5037		2419
2420	90°54	3	90 59 18.54	+ 15.405	+ 0.279			85	18588	402	5035		2420
2421	89°92	3	107 28 21.44	+ 15.407	+ 0.255								2421
2422	90°24	3	110 17 8.71	+ 15.410	+ 0.251				18599				2422
2423	81°26	2	98 7 25.91	+ 15.418	+ 0.269					408			2423
2424	87°21	4	8 11 18.22	+ 15.438	+ 0.831	+ 0.020		37				1558	2424
2425	92°45	3	104 0 38.99	+ 15.444	+ 0.259					420			2425
2426	91°20	3	108 40 43.31	+ 15.458	+ 0.252								2426
2427	91°92	3	102 25 56.62	+ 15.461	+ 0.261				18609	426			2427
2428	91°56	3	98 44 47.62	+ 15.465	+ 0.267	+ 0.002	1327	87	18607		5051		2428
2429	81°91	16	98 10 54.87	+ 15.484	+ 0.267	- 0.052	1330	89	18618	432	5055	1559	2429
2430	90°24	3	111 51 41.32	+ 15.489	+ 0.246	+ 0.146			18639			1560	2430

2386, 2424, 2429, are respectively 2309, 2324, 2340 of the Radcliffe Catalogue, 1845.
2386, 2393, 2424, 2429, are respectively 940, 942, 945, 950 of the Radcliffe Catalogue, 1860.
2424. The Proper Motions have been taken from Auwers' "Catalog der Fundamental-Sterne."
2430. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
2431	Hydræ	6	2	85.10	3	9 22 19.874	+ 2.9894	— 0.0023		2431
2432	Hydræ	7-8	5	85.19	3	9 22 44.327	+ 2.9300	— 0.0009		2432
2433	Hydræ	7-8	1	92.23	3	9 22 47.204	+ 2.9649	— 0.0018		2433
2434	23 Ursæ Majoris ... <i>h</i>	4	1	86.97	2	9 22 50.976	+ 4.7735	— 0.1032	+ 0.0138	2434
2435	Hydræ	7	5	83.85	3	9 22 58.109	+ 2.9308	— 0.0009		2435
2436	Hydræ	6-7	2	86.92	3	9 23 26.341	+ 3.0611	— 0.0042		2436
2437	31 Hydræ τ^1	5*	...	90.58	3	9 23 33.883	+ 3.0388	— 0.0036	+ 0.0079	2437
2438	Hydræ	7-6	3	85.25	3	9 23 49.920	+ 3.0471	— 0.0038		2438
2439	Hydræ	7	1	90.55	3	9 24 0.982	+ 3.0172	— 0.0030		2439
2440	Hydræ	7-8	1	90.16	3	9 24 1.024	+ 2.8743	+ 0.0004		2440
2441	Hydræ	6-7	2	86.56	3	9 24 8.731	+ 2.7621	+ 0.0025		2441
2442	Hydræ	7-8	1	92.48	3	9 24 16.895	+ 2.8153	+ 0.0016		2442
2443	Antliæ ϵ	5	1	...	...	9 24 42.340	+ 2.4753	+ 0.0059		2443
2444	24 Ursæ Majoris ... <i>d</i>	5-4*	...	86.84	2	9 24 44.839	+ 5.4143	— 0.1698	— 0.0118	2444
2445	Hydræ	7-6	1	89.57	3	9 24 50.497	+ 2.7194	+ 0.0032		2445
2446	Mali	6-5	...	85.23	2	9 25 1.516	+ 2.6625	+ 0.0041		2446
2447	Hydræ	7	3	87.24	3	9 25 9.415	+ 3.0202	— 0.0031		2447
2448	Hydræ	6-7	1	84.43	5	9 25 9.901	+ 2.8470	+ 0.0010		2448
2449	Hydræ	7-8	1	90.53	3	9 25 25.615	+ 2.9968	— 0.0024		2449
2450	25 Ursæ Majoris ... θ	3*	...	81.21	3	9 25 29.867	+ 4.1475	— 0.0561	— 0.1041	2450
2451	5 Leonis ξ	5	1	86.75	8	9 26 1.060	+ 3.2461	— 0.0100	— 0.0076	2451
2452	Antliæ	7	...	90.25	1	9 26 3.044	+ 2.5645	+ 0.0053		2452
2453	Antliæ ζ^1	6	...	90.77	2	9 26 3.337	+ 2.5646	+ 0.0053		2453
2454	6 Leonis <i>h</i>	6	1	82.89	3	9 26 3.828	+ 3.2222	— 0.0091	— 0.0005	2454
2455	Hydræ	7	...	89.85	3	9 26 9.611	+ 2.9022	— 0.0001		2455
2456	Hydræ	7-6	3	86.86	3	9 26 17.114	+ 2.9250	— 0.0006		2456
2457	32 Hydræ τ^2	5	2	85.28	3	9 26 22.430	+ 3.0624	— 0.0041	— 0.0015	2457
2458	Hydræ	6-7	2	89.97	4	9 26 34.373	+ 2.9279	— 0.0007		2458
2459	Antliæ ζ^2	6	...	90.48	3	9 26 49.728	+ 2.5671	+ 0.0054		2459
2460	Hydræ	6	2	86.21	5	9 27 13.623	+ 2.7893	+ 0.0022		2460
2461	Hydræ	6-7	...	90.52	3	9 27 37.098	+ 2.9563	— 0.0013		2461
2462	Hydræ	7-8	1	89.93	3	9 27 38.632	+ 2.8743	+ 0.0006		2462
2463	Hydræ	6-7	3	86.25	3	9 27 38.781	+ 2.8817	+ 0.0005		2463
2464	Hydræ	7-6	2	85.86	3	9 27 53.185	+ 2.9757	— 0.0018		2464
2465	Hydræ	5-6	3	86.21	3	9 28 8.405	+ 2.7629	+ 0.0028		2465
2466	Hydræ	7	2	90.25	3	9 28 14.134	+ 2.7585	+ 0.0029		2466
2467	Hydræ	6-7	3	89.85	3	9 28 25.482	+ 2.7345	+ 0.0032		2467
2468	Hydræ	7	1	90.13	3	9 28 59.774	+ 3.0296	— 0.0032		2468
2469	33 Hydræ	5-6	1	82.80	5	9 29 3.258	+ 2.9948	— 0.0022	— 0.0015	2469
2470	Hydræ	7	3	85.30	3	9 29 31.187	+ 2.9045	0.0000	0.0000	2470
2471	Hydræ	7	4	86.58	3	9 29 37.018	+ 3.0029	— 0.0024		2471
2472	Hydræ	8	1	91.45	3	9 30 12.227	+ 2.9568	— 0.0013		2472
2473	Hydræ	7-6	2	84.23	3	9 30 26.694	+ 2.7916	+ 0.0025		2473
2474	8 Leonis	6	...	89.16	4	9 30 58.439	+ 3.3189	— 0.0128	— 0.0025	2474
2475	Hydræ	7-8	2	88.19	3	9 31 10.125	+ 2.9186	— 0.0003		2475

2437. A star of the 8 magnitude, Piazzì IX, 95, follows, and is about 1' north.
2441. Yellowish-red star.
2443. The R.A. has been supplied from the Cape Catalogue, 1880.

No.	Mean Time of Observa- tion.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
2431	85°10	3	95 35 26.78	+ 15.492	+ 0.270				18657	439	5059	1561	2431
2432	85°19	3	99 32 45.60	+ 15.514	+ 0.264				18646	450			2432
2433	92°23	3	97 14 30.55	+ 15.517	+ 0.267				18645				2433
2434	83°86	17	26 27 27.66	+ 15.521	+ 0.434	- 0.026	1323	82				1564	2434
2435	83°85	3	99 30 27.57	+ 15.527	+ 0.264				18650	452			2435
2436	86°92	3	90 46 37.16	+ 15.553	+ 0.275				18633	460			2436
2437	90°58	3	92 17 18.64	+ 15.560	+ 0.273	+ 0.004	1334	94	18660	464	5075	1565	2437
2438	85°25	3	91 43 28.69	+ 15.575	+ 0.273			96	18643		5081		2438
2439	90°55	3	93 45 50.55	+ 15.585	+ 0.270				18674	476			2439
2440	90°16	3	103 15 22.07	+ 15.585	+ 0.257				18684	481			2440
2441	86°56	3	110 16 7.85	+ 15.592	+ 0.247				18688				2441
2442	92°48	3	107 1 27.95	+ 15.600	+ 0.251				18690				2442
2443	80°21	1	125 28 14.04	+ 15.622	+ 0.220			103			5090		2443
2444	84°08	8	19 41 12.67	+ 15.625	+ 0.488	- 0.076	1324	86	18594			1569	2444
2445	89°57	3	112 51 49.25	+ 15.631	+ 0.242				18709				2445
2446	85°23	2	116 6 28.53	+ 15.640	+ 0.236			105			5095		2446
2447	87°24	3	93 34 58.39	+ 15.647	+ 0.269				18705	499			2447
2448	84°56	3	105 5 33.74	+ 15.648	+ 0.253				18715				2448
2449	90°53	3	95 10 45.98	+ 15.663	+ 0.266			102	18717	504			2449
2450	81°24	4	37 49 18.21	+ 15.666	+ 0.371	+ 0.564	1332	98				1570	2450
2451	82°19	3	78 12 48.03	+ 15.695	+ 0.288	+ 0.060	1338	106		515	5114	1572	2451
2452	83°25	4	121 24 25.29	+ 15.696	+ 0.226						5115		2452
2453	82°64	5	121 24 18.55	+ 15.697	+ 0.226			113			5116		2453
2454	82°89	3	79 47 57.93	+ 15.697	+ 0.286	- 0.009	1339	108	18728	517		1573	2454
2455	89°85	3	101 34 36.52	+ 15.703	+ 0.256				18751	527			2455
2456	86°86	3	100 4 2.34	+ 15.710	+ 0.258				18754	530		1574	2456
2457	85°28	3	90 41 59.24	+ 15.714	+ 0.271	+ 0.013	1341	110		529	5121		2457
2458	89°97	4	99 53 10.03	+ 15.725	+ 0.258				18762	539			2458
2459	83°74	6	121 23 14.56	+ 15.739	+ 0.225			117			5130		2459
2460	87°54	3	108 54 53.76	+ 15.760	+ 0.245				18792			1576	2460
2461	90°52	3	98 1 3.61	+ 15.782	+ 0.259				18794	569			2461
2462	89°93	3	103 30 49.99	+ 15.783	+ 0.252				18798	573			2462
2463	86°25	3	103 1 48.39	+ 15.783	+ 0.252				18799	572			2463
2464	85°86	3	96 42 8.31	+ 15.796	+ 0.261				18803	575			2464
2465	86°21	3	110 37 44.26	+ 15.810	+ 0.241				18817			1579	2465
2466	90°25	3	110 54 15.83	+ 15.815	+ 0.241				18821				2466
2467	89°85	3	112 22 40.81	+ 15.825	+ 0.238				18833				2467
2468	90°13	3	92 59 58.53	+ 15.856	+ 0.264				18832	597			2468
2469	81°88	3	95 25 27.12	+ 15.858	+ 0.261	+ 0.027	1344	123	18836	599	5150	1581	2469
2470	85°30	3	101 38 4.68	+ 15.883	+ 0.252	+ 0.190			18857	619			2470
2471	86°58	3	94 52 39.97	+ 15.889	+ 0.260				18854	618			2471
2472	91°45	3	98 5 52.22	+ 15.920	+ 0.255				18872	630			2472
2473	84°23	3	109 5 29.13	+ 15.933	+ 0.240				18884				2473
2474	88°84	3	73 4 10.07	+ 15.961	+ 0.286	+ 0.002	1347	127	18877			1583	2474
2475	88°19	3	100 46 55.04	+ 15.971	+ 0.251				18899	650			2475

2431, 2434, 2444, 2450, 2451, are respectively 2341, 2339, 2345, 2353, 2360 of the Radcliffe Catalogue, 1845.
 2431, 2434, 2437, 2450, 2454, 2469, are respectively 951, 949, 955, 961, 965, 971 of the Radcliffe Catalogue, 1860.
 2470. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.			Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
								h. m. s.	s.	s.	s.	
2476	Hydræ	...	...	7-6	3	83.44	4	9 31 36.260	+ 2.7099	+ 0.0040		2476
2477	Hydræ	...	...	6-7	1	82.01	4	9 32 3.279	+ 2.7008	+ 0.0041		2477
2478	Hydræ	...	...	7	2	84.62	7	9 32 12.423	+ 3.0349	- 0.0033		2478
2479	Antliæ	...	...	6	...	80.54	3	9 32 25.591	+ 2.5772	+ 0.0059		2479
2480	34 Hydræ	...	...	7-6	3	85.24	3	9 32 27.839	+ 2.9464	- 0.0009	- 0.0057	2480
2481	Hydræ	...	...	8-7	...	91.08	3	9 32 28.081	+ 2.8544	+ 0.0013		2481
2482	Hydræ	...	...	7-8	...	89.16	3	9 33 29.804	+ 3.0399	- 0.0033		2482
2483	Hydræ	...	...	7	3	83.94	3	9 33 49.383	+ 2.8272	+ 0.0020		2483
2484	35 Hydræ	...	...	4-5	2	84.82	3	9 34 14.284	+ 3.0636	- 0.0040	+ 0.0015	2484
2485	37 Hydræ	...	...	7-6	...	83.81	5	9 34 25.052	+ 2.9316	- 0.0004	- 0.0038	2485
2486	Hydræ	...	...	8-9	3	91.89	3	9 34 40.169	+ 2.7989	+ 0.0027		2486
2487	Hydræ	...	...	7	1	89.83	3	9 34 44.890	+ 2.8970	+ 0.0005		2487
2488	Hydræ	...	...	7	3	86.19	3	9 34 57.844	+ 2.9292	- 0.0003	+ 0.0007	2488
2489	38 Hydræ	...	...	6-5	2	85.30	3	9 35 1.945	+ 2.8779	+ 0.0010	- 0.0017	2489
2490	Hydræ	...	...	8-7	1	91.57	3	9 35 13.492	+ 2.9841	- 0.0018		2490
2491	14 Leonis	...	...	4-3	4	85.82	32	9 35 16.798	+ 3.2172	- 0.0092	- 0.0104	2491
2492	Hydræ	...	...	8-7	2	91.91	3	9 35 33.826	+ 2.7688	+ 0.0033		2492
2493	Hydræ	...	...	8	...	91.88	3	9 36 4.143	+ 3.0206	- 0.0027		2493
2494	Hydræ	...	...	5-6	3	84.91	3	9 36 15.716	+ 2.7380	+ 0.0039		2494
2495	Hydræ	...	...	8-7	...	92.17	3	9 36 25.235	+ 2.9043	+ 0.0004		2495
2496	Hydræ	...	...	8-7	2	92.14	3	9 37 16.508	+ 2.8856	+ 0.0010		2496
2497	Hydræ	...	...	6-5	2	85.21	6	9 37 16.520	+ 2.7347	+ 0.0041	- 0.0290	2497
2498	Hydræ	...	...	8-9	2	91.94	3	9 37 16.793	+ 2.8706	+ 0.0013		2498
2499	28 Ursæ Majoris	...	...	7-6	...	87.97	4	9 37 27.231	+ 4.6808	- 0.1076	- 0.0019	2499
2500	16 Leonis	...	...	6-5	2	88.82	3	9 37 44.415	+ 3.2740	- 0.0115	- 0.0009	2500
2501	Hydræ	...	...	7	1	86.27	3	9 38 23.281	+ 2.7927	+ 0.0031		2501
2502	Hydræ	...	...	7-8	2	87.19	3	9 38 59.104	+ 3.0165	- 0.0026		2502
2503	Antliæ	...	...	5*	...	80.48	4	9 39 17.938	+ 2.6756	+ 0.0053		2503
2504	Hydræ	...	...	7	2	89.53	3	9 39 33.219	+ 2.7580	+ 0.0039		2504
2505	17 Leonis	...	...	3	1	85.15	24	9 39 36.448	+ 3.4193	- 0.0180	- 0.0043	2505
2506	Hydræ	...	...	7-8	3	86.60	3	9 39 39.624	+ 2.8346	+ 0.0023		2506
2507	Hydræ	...	...	8-7	3	91.84	3	9 39 59.239	+ 2.9650	- 0.0010		2507
2508	Sextantis	...	...	8	...	91.90	3	9 40 12.471	+ 3.0537	- 0.0036	0.0000	2508
2509	Hydræ	...	...	7-8	1	89.51	3	9 40 58.075	+ 2.8068	+ 0.0030		2509
2510	Sextantis	...	...	7-8	1	87.55	3	9 41 9.545	+ 3.0365	- 0.0031		2510
2511	Hydræ	...	...	7-8	2	87.91	3	9 41 13.480	+ 2.7628	+ 0.0039		2511
2512	Hydræ	...	...	8	2	91.88	3	9 41 35.867	+ 2.8543	+ 0.0020		2512
2513	Hydræ	...	...	7	...	83.89	3	9 41 42.225	+ 2.9385	- 0.0002		2513
2514	Hydræ	...	...	7-8	3	85.25	3	9 41 47.352	+ 2.9356	- 0.0002		2514
2515	Hydræ	...	...	7	...	90.16	3	9 42 1.054	+ 2.8454	+ 0.0022		2515
2516	Sextantis	...	...	7-8	...	91.52	3	9 42 36.649	+ 3.0013	- 0.0019		2516
2517	Sextantis	...	...	7-8	2	87.51	3	9 42 37.043	+ 2.9711	- 0.0011		2517
2518	3 Sextantis	...	...	7-6	2	83.59	5	9 42 44.708	+ 2.9835	- 0.0014	- 0.0049	2518
2519	Sextantis	...	...	7	3	84.98	4	9 43 19.442	+ 2.9481	- 0.0004		2519
2520	Hydræ	...	...	7	1	89.15	3	9 43 36.761	+ 2.8174	+ 0.0030		2520

2484. Yellowish-red star.

2498. A star of the 8-9 magnitude, W.B. IX, 779, precedes about 3^s.5, and is north.

2514. A star of the 9 magnitude has nearly the same R.A., and is about 3'.30" south.

2518. A fainter star, Piazzì IX, 180, follows about 20^s, and is south.2496. The R.A. given in Weisse's Bessel for this star is 10^s too great.

2505. Yellowish-red star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2476	83°84	3	114 12 43·99	+ 15·994	+ 0·232						5183		2476
2477	82°01	4	114 48 16·07	+ 16·018	+ 0·230						5187	1586	2477
2478	85°18	3	92 40 33·75	+ 16·026	+ 0·259				18924	672			2478
2479	80°54	3	121 41 5·77	+ 16·038	+ 0·219			142			5194		2479
2480	85°24	3	98 55 49·40	+ 16·039	+ 0·251	- 0·029	1353	140	18943	681	5192		2480
2481	91°08	3	105 12 19·20	+ 16·039	+ 0·243				18947	685			2481
2482	89°16	3	92 20 36·25	+ 16·094	+ 0·258				18963	701			2482
2483	83°94	3	107 7 41·13	+ 16·110	+ 0·239								2483
2484	84°82	3	90 38 36·94	+ 16·132	+ 0·259	+ 0·063	1356	144	18984		5216	1592	2484
2485	83°55	3	100 4 23·34	+ 16·142	+ 0·247	- 0·024	1358	147	18998	723	5220		2485
2486	91°89	3	109 3 23·53	+ 16·154	+ 0·235				19012				2486
2487	89°83	3	102 29 57·60	+ 16·159	+ 0·243					728			2487
2488	86°19	3	100 16 14·60	+ 16·170	+ 0·246	- 0·030	1361	152	19014	733	5224	1593	2488
2489	85°30	3	103 50 0·49	+ 16·173	+ 0·241	- 0·013	1362	154	19020	738	5225	1594	2489
2490	91°57	3	96 23 24·11	+ 16·184	+ 0·250				19023	739			2490
2491	81°92	12	79 36 26·39	+ 16·186	+ 0·270	+ 0·018	1360	151	19007	732	5227	1596	2491
2492	91°91	3	111 4 58·50	+ 16·201	+ 0·231				19041				2492
2493	91°88	3	93 46 46·15	+ 16·227	+ 0·252					751			2493
2494	84°91	3	113 5 28·72	+ 16·237	+ 0·227				19034			1598	2494
2495	92°17	3	102 6 45·84	+ 16·245	+ 0·241				19062	763			2495
2496	92°14	3	103 28 38·57	+ 16·288	+ 0·238					786			2496
2497	85°72	4	113 25 19·30	+ 16·289	+ 0·226	- 0·250			19093			1602	2497
2498	91°94	3	104 31 8·57	+ 16·289	+ 0·237					781			2498
2499	88°37	4	25 50 28·00	+ 16·297	+ 0·391	+ 0·034	1355	150				1601	2499
2500	88°82	3	75 28 31·45	+ 16·312	+ 0·271	+ 0·002	1366	160	19081	783		1603	2500
2501	86°27	3	109 51 44·90	+ 16·345	+ 0·229								2501
2502	87°19	3	94 9 11·37	+ 16·375	+ 0·247				19125	813			2502
2503	80°43	5	117 15 58·10	+ 16·391	+ 0·218			166			5261	1605	2503
2504	89°53	3	112 14 50·70	+ 16·404	+ 0·224			167	19152			1607	2504
2505	82°04	16	65 43 9·95	+ 16·406	+ 0·280	+ 0·008	1368	164	19123		5263	1606	2505
2506	86°60	3	107 12 4·13	+ 16·410	+ 0·231				19150				2506
2507	91°84	3	97 58 33·03	+ 16·426	+ 0·241				19156	833			2507
2508	91°90	3	91 24 17·41	+ 16·437	+ 0·248	+ 0·120			19160				2508
2509	89°51	3	109 13 15·97	+ 16·475	+ 0·226				19196				2509
2510	87°55	3	92 42 19·30	+ 16·485	+ 0·245				19190	858			2510
2511	87°91	3	112 8 42·61	+ 16·487	+ 0·222				19209				2511
2512	91°88	3	106 2 17·39	+ 16·506	+ 0·229								2512
2513	83°89	3	100 0 51·44	+ 16·511	+ 0·236				19215	880			2513
2514	85°25	3	100 14 5·87	+ 16·515	+ 0·236				19217	881			2514
2515	90°16	3	106 41 50·10	+ 16·527	+ 0·228				19223				2515
2516	91°52	3	95 23 36·82	+ 16·557	+ 0·240								2516
2517	87°51	3	97 39 29·14	+ 16·557	+ 0·237				19237				2517
2518	83°17	3	96 44 6·10	+ 16·563	+ 0·238	+ 0·005	1376	178	19241	898	5293		2518
2519	85°22	3	99 24 27·63	+ 16·591	+ 0·234				19261	911			2519
2520	89°15	3	108 48 4·24	+ 16·606	+ 0·223				19271				2520

2491, 2499, 2505 are respectively 2387, 2389, 2395 of the Radcliffe Catalogue, 1845.
 2484, 2491, 2500, 2505, are respectively 974, 975, 977, 979 of the Radcliffe Catalogue, 1860.
 2497, 2508. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
2521	Hydræ	8	1	89.51	3	9 43 43.849	+2.7774	+0.0038		2521
2522	Sextantis	7	1	83.23	3	9 43 51.675	+2.9630	-0.0008		2522
2523	Hydræ	7-6	1	84.42	5	9 44 11.865	+2.9237	+0.0003		2523
2524	Hydræ	8	2	91.91	3	9 44 12.424	+2.7380	+0.0047		2524
2525	Sextantis	8-7	...	91.88	3	9 44 34.341	+3.0762	-0.0042		2525
2526	30 Ursæ Majoris ... ϕ	5-4*	...	87.29	3	9 44 37.124	+4.1193	-0.0632	-0.0001	2526
2527	5 Sextantis	7	4	86.56	3	9 45 12.996	+2.9832	-0.0013		2527
2528	6 Sextantis	6-7	...	83.03	5	9 45 41.408	+3.0243	-0.0025	+0.0005	2528
2529	Sextantis	7-8	...	91.94	3	9 45 43.172	+3.0552	-0.0035	+0.0050	2529
2530	Sextantis	7-6	2	83.27	3	9 45 52.759	+2.9992	-0.0017		2530
2531	Hydræ	8	3	91.90	3	9 45 54.275	+2.7957	+0.0037		2531
2532	Hydræ	8-7	3	92.10	3	9 45 56.769	+2.8992	+0.0012		2532
2533	Hydræ	7-8	2	91.92	3	9 45 57.120	+2.8306	+0.0029		2533
2534	Hydræ	7	4	85.98	4	9 45 58.895	+2.7668	+0.0043		2534
2535	39 Hydræ v^1	5-4*	...	82.25	6	9 46 11.110	+2.8842	+0.0016	-0.0009	2535
2536	Hydræ	7	3	86.57	3	9 46 18.410	+2.9317	+0.0002		2536
2537	24 Leonis μ	4	1	86.45	18	9 46 30.501	+3.4396	-0.0197	-0.0185	2537
2538	Hydræ	7-6	2	87.57	3	9 46 44.458	+2.8617	+0.0022		2538
2539	8 Sextantis	6-5	2	85.15	3	9 47 3.690	+2.9749	-0.0010	-0.0049	2539
2540	Sextantis	7	2	84.19	7	9 47 57.284	+2.9521	-0.0002		2540
2541	Antliæ	7-6	...	86.58	3	9 48 2.404	+2.7045	+0.0056	-0.0250	2541
2542	Sextantis	7	1	89.19	3	9 48 9.661	+3.0300	-0.0027		2542
2543	Ursæ Majoris	6-7	1	90.94	3	9 48 32.203	+5.5064	-0.2226	-0.0230	2543
2544	Hydræ	6	...	80.89	3	9 49 13.250	+2.7294	+0.0054		2544
2545	Hydræ	7	1	84.99	4	9 49 13.704	+2.9134	+0.0009	0.0000	2545
2546	Hydræ	6-7	1	82.27	3	9 49 25.666	+2.7816	+0.0043		2546
2547	Hydræ	5-6	1	83.17	3	9 49 40.826	+2.8318	+0.0032		2547
2548	Hydræ	7	...	83.23	3	9 49 44.527	+2.8706	+0.0022		2548
2549	Hydræ	7-8	4	86.57	3	9 49 50.437	+2.9390	+0.0003		2549
2550	Sextantis	7	4	85.60	3	9 50 5.288	+3.0166	-0.0021		2550
2551	Sextantis	7-6	4	85.57	3	9 50 18.587	+2.9677	-0.0005		2551
2552	Hydræ	7	3	89.16	3	9 50 21.321	+2.8541	+0.0027		2552
2553	Leonis	6	...	87.25	3	9 50 36.052	+3.1916	-0.0086	-0.0077	2553
2554	Sextantis	7-6	1	83.86	5	9 50 40.000	+2.9831	-0.0010		2554
2555	Hydræ	7-6	1	90.34	5	9 51 11.072	+2.9088	+0.0012		2555
2556	Antliæ	6	...	80.55	3	9 51 47.055	+2.6136	+0.0077		2556
2557	Sextantis	7-6	3	85.64	5	9 52 7.982	+3.0550	-0.0033		2557
2558	Sextantis	8-7	3	87.48	4	9 52 12.690	+3.0549	-0.0033		2558
2559	Leonis	6-7	1	82.15	3	9 52 18.014	+3.1824	-0.0083	-0.0003	2559
2560	Hydræ	7	2	87.57	3	9 52 23.737	+2.8700	+0.0025		2560
2561	Hydræ	7	1	90.21	3	9 53 11.144	+2.7507	+0.0054		2561
2562	Sextantis	8-7	2	90.21	3	9 53 27.314	+3.0419	-0.0028		2562
2563	Sextantis	7-8	2	90.20	3	9 53 43.954	+3.0413	-0.0028		2563
2564	Hydræ	6-7	2	86.60	3	9 54 1.407	+2.7699	+0.0050		2564
2565	Sextantis	8	1	91.24	3	9 54 5.371	+2.9827	-0.0008		2565

2534. Red star.

No.	Mean Time of Observa- tion.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
2521	89°51	3	111 30 27.22	+ 16.612	+ 0.220				19275				2521
2522	83°23	3	98 19 24.13	+ 16.618	+ 0.235				19272				2522
2523	84°58	3	101 16 23.02	+ 16.635	+ 0.231				19282	925			2523
2524	91°91	3	114 7 58.13	+ 16.635	+ 0.216								2524
2525	91°88	3	89 42 54.82	+ 16.652	+ 0.243				19287	927			2525
2526	87°29	3	35 25 18.73	+ 16.655	+ 0.327	- 0.025	1375	179	19249			1618	2526
2527	86°56	3	96 52 1.93	+ 16.684	+ 0.234			191	19311	948	5315		2527
2528	82°23	3	93 43 41.60	+ 16.707	+ 0.237	+ 0.014	1385	193	19319	953	5324		2528
2529	91°94	3	91 20 26.02	+ 16.708	+ 0.239	+ 0.100		192	19318	952			2529
2530	83°27	3	95 40 7.94	+ 16.716	+ 0.234			195		959	5326		2530
2531	91°90	3	110 33 9.25	+ 16.717	+ 0.218				19337				2531
2532	92°10	3	103 12 45.98	+ 16.720	+ 0.226				19330				2532
2533	91°92	3	108 8 42.51	+ 16.720	+ 0.221				19336				2533
2534	86°55	3	112 30 9.17	+ 16.721	+ 0.216				19338				2534
2535	82°25	6	104 19 50.98	+ 16.731	+ 0.225	+ 0.015	1388	196	19339	964	5328	1620	2535
2536	86°57	3	100 49 26.67	+ 16.736	+ 0.228				19342	966			2536
2537	82°03	13	63 28 30.05	+ 16.746	+ 0.269	+ 0.045	1384	194	19322		5332	1621	2537
2538	87°57	3	106 1 1.25	+ 16.757	+ 0.222				19353				2538
2539	85°15	3	97 35 13.95	+ 16.773	+ 0.231	+ 0.027	1389	200	19361	981	5336		2539
2540	84°18	3	99 23 9.10	+ 16.816	+ 0.227			203	19382	1000	5345		2540
2541	86°58	3	116 49 4.76	+ 16.820	+ 0.208	- 0.040					5350		2541
2542	89°19	3	93 20 38.79	+ 16.826	+ 0.233				19384	1004			2542
2543	88°27	4	16 35 52.86	+ 16.843	+ 0.429	+ 0.041		187				1624	2543
2544	80°89	3	115 24 55.36	+ 16.876	+ 0.208						5363	1625	2544
2545	85°23	3	102 25 29.56	+ 16.876	+ 0.222	+ 0.190			19419	1025			2545
2546	82°28	4	111 58 3.93	+ 16.886	+ 0.212				19423				2546
2547	83°17	3	108 29 17.52	+ 16.898	+ 0.215				19433			1627	2547
2548	83°23	3	105 40 28.60	+ 16.901	+ 0.218								2548
2549	86°57	3	100 30 50.42	+ 16.905	+ 0.223			210	19432	1034			2549
2550	85°60	3	94 27 16.82	+ 16.916	+ 0.229				19437	1037			2550
2551	85°57	3	98 18 55.88	+ 16.927	+ 0.225				19445	1045			2551
2552	89°16	3	106 56 53.82	+ 16.929	+ 0.216				19460				2552
2553	87°25	3	80 32 44.31	+ 16.941	+ 0.242	- 0.028	1393	212	19440	1047		1628	2553
2554	83°62	3	97 7 25.15	+ 16.944	+ 0.225				19465	1052			2554
2555	90°34	5	102 56 29.13	+ 16.968	+ 0.219				19485	1063			2555
2556	80°55	3	122 53 48.65	+ 16.996	+ 0.195						5387		2556
2557	85°98	4	91 25 6.40	+ 17.012	+ 0.229			219	19512	1085			2557
2558	86°58	3	91 25 21.38	+ 17.016	+ 0.228			220	19513	1087			2558
2559	82°15	3	81 9 40.11	+ 17.020	+ 0.238	+ 0.015	1396	218	19511	1086			2559
2560	87°57	3	105 59 50.92	+ 17.024	+ 0.214				19519				2560
2561	90°21	3	114 36 23.82	+ 17.060	+ 0.204						5402		2561
2562	90°21	3	92 29 44.03	+ 17.073	+ 0.225				19531	1109			2562
2563	90°20	3	92 32 54.44	+ 17.086	+ 0.225				19538	1116			2563
2564	86°60	3	113 25 30.25	+ 17.099	+ 0.204				19556				2564
2565	91°24	3	97 19 49.35	+ 17.102	+ 0.220				19548	1125			2565

2526, 2537, 2543, are respectively 2401, 2409, 2410 of the Radcliffe Catalogue, 1845.
2537 is 987 of the Radcliffe Catalogue, 1860.
2529, 2541, 2545. The Proper Motions have been determined in the formation of the present Catalogue.
2543. The Proper Motions have been taken from Auwers' "Catalog der Fundamental-Sterne."

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
2566	Hydræ	7-6	...	89°59	3	9	54	8.278	+ 2.8208	+ 0.0039		2566
2567	29 Leonis	5*	...	86.25	45	9	54	24.030	+ 3.1775	- 0.0081	- 0.0040	2567
2568	Hydræ	8	2	92.12	3	9	54	31.093	+ 2.8445	+ 0.0033		2568
2569	Sextantis	8-9	1	89.54	3	9	55	22.582	+ 3.0273	- 0.0023		2569
2570	Sextantis	7	5	85.24	4	9	55	25.076	+ 3.0404	- 0.0027		2570
2571	Sextantis	7-8	3	88.21	3	9	55	58.227	+ 3.0666	- 0.0036		2571
2572	Hydræ	8-7	...	92.20	3	9	56	4.426	+ 2.8890	+ 0.0023		2572
2573	Sextantis	8	1	89.52	3	9	56	21.438	+ 3.0264	- 0.0021		2573
2574	Hydræ	7-8	1	92.21	3	9	56	22.254	+ 2.8651	+ 0.0029		2574
2575	Hydræ	8	3	87.60	3	9	56	30.373	+ 2.9221	+ 0.0012		2575
2576	Hydræ	7-8	...	91.87	3	9	56	38.625	+ 2.9034	+ 0.0019		2576
2577	Hydræ	7-8	4	86.91	3	9	56	38.702	+ 2.7777	+ 0.0052		2577
2578	Sextantis	7-8	1	91.94	3	9	56	45.499	+ 2.9530	+ 0.0003		2578
2579	Sextantis	7	1	82.98	5	9	57	12.047	+ 3.0661	- 0.0036	0.0000	2579
2580	Hydræ	7	3	88.89	3	9	57	13.121	+ 2.9179	+ 0.0014		2580
2581	Sextantis	7-8	4	85.63	3	9	57	25.216	+ 3.0118	- 0.0016		2581
2582	Hydræ	7-6	1	82.27	3	9	57	25.671	+ 2.8260	+ 0.0042		2582
2583	Hydræ	8	2	91.89	3	9	57	39.075	+ 2.8036	+ 0.0047		2583
2584	Sextantis	7-6	1	83.48	4	9	58	14.783	+ 2.9647	+ 0.0001		2584
2585	Hydræ	7	1	89.59	3	9	58	37.641	+ 2.7607	+ 0.0058		2585
2586	Hydræ	7-6	3	84.56	3	9	58	48.180	+ 2.8589	+ 0.0034		2586
2587	Sextantis	7-8	1	91.91	3	9	58	56.428	+ 2.9936	- 0.0009	+ 0.0050	2587
2588	Sextantis	8-9	1	91.89	3	9	59	1.346	+ 3.0470	- 0.0028		2588
2589	Hydræ	8-7	...	91.56	3	9	59	15.688	+ 2.9395	+ 0.0009		2589
2590	Hydræ	6-5	1	90.21	3	9	59	15.994	+ 2.7767	+ 0.0056		2590
2591	Sextantis	7-8	1	90.19	3	9	59	38.534	+ 3.0376	- 0.0025		2591
2592	40 Hydræ	5-4	1	84.57	5	9	59	45.991	+ 2.9237	+ 0.0015	- 0.0034	2592
2593	Antliæ	6-7	...	81.24	1	10	0	38.081	+ 2.6179	+ 0.0090		2593
2594	Hydræ	7-8	1	89.58	3	10	0	57.548	+ 2.8256	+ 0.0045		2594
2595	14 Sextantis	6-7	1	87.29	3	10	1	2.310	+ 3.1439	- 0.0068	- 0.0047	2595
2596	30 Leonis	3-4*	...	89.92	3	10	1	20.120	+ 3.2786	- 0.0129	+ 0.0013	2596
2597	Sextantis	8-7	1	91.81	3	10	1	34.713	+ 3.0144	- 0.0015		2597
2598	Leonis	9-10	1	89.19	3	10	1	37.161	+ 3.3173	- 0.0149		2598
2599	Hydræ	7	2	90.12	3	10	1	37.924	+ 2.8718	+ 0.0033		2599
2600	Hydræ	6	3	85.25	3	10	1	52.774	+ 2.8760	+ 0.0032		2600
2601	Sextantis	8	1	85.28	3	10	1	55.251	+ 2.9894	- 0.0006		2601
2602	Hydræ	7-6	1	82.90	3	10	1	56.145	+ 2.8234	+ 0.0046		2602
2603	Hydræ	7-8	3	87.60	3	10	2	9.284	+ 2.8439	+ 0.0042		2603
2604	Sextantis	7-6	3	85.28	3	10	2	17.168	+ 2.9908	- 0.0005		2604
2605	15 Sextantis	5	3	85.77	4	10	2	18.384	+ 3.0744	- 0.0038	- 0.0030	2605
2606	Hydræ	8-7	1	90.89	3	10	2	22.909	+ 2.8079	+ 0.0051		2606
2607	32 Leonis	1-2*	...	83.70	31	10	2	30.827	+ 3.2179	- 0.0100	- 0.0182	2607
2608	Sextantis	8-7	...	91.86	3	10	2	57.299	+ 3.0389	- 0.0024		2608
2609	Sextantis	8-7	1	90.56	3	10	3	3.193	+ 2.9506	+ 0.0009	- 0.0220	2609
2610	Hydræ	7-8	4	87.63	3	10	3	9.294	+ 2.8452	+ 0.0042	- 0.0070	2610

2566. Red star. 2567. Yellowish-red star. 2570. Yellowish-red star. 2577. Reddish star. 2581. Yellowish-red star.
 2584. The magnitude given in Lalande for this star is $4\frac{1}{2}$. A star of the 7-8 magnitude, Lalande 19646, precedes 31^s , and is $1'$ north.
 2586. A star of the 7-8 magnitude, Lalande 19684, precedes about 2^s , and has nearly the same N. P. D.
 2598. A slightly fainter star, Arg. Z + 20° , 2434, precedes, and is $1'$ south.
 2599. A star of the 8-7 magnitude, Lalande 19748, follows several seconds, and is about $2'.30''$ south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
2566	89.59	3	109 49 50.66	+ 17.104	+ 0.207				19559			1635	2566
2567	81.48	13	81 25 41.45	+ 17.116	+ 0.234	+ 0.011	1398	225	19549	1127	5411	1636	2567
2568	92.12	3	108 8 16.59	+ 17.122	+ 0.209								2568
2569	89.54	3	93 44 13.88	+ 17.161	+ 0.221				19579	1145			2569
2570	85.24	4	92 39 41.00	+ 17.162	+ 0.222			228	19580	1147			2570
2571	88.21	3	90 29 20.32	+ 17.187	+ 0.223				19590	1160			2571
2572	92.20	3	104 55 32.27	+ 17.192	+ 0.210				19599				2572
2573	89.52	3	93 50 26.92	+ 17.204	+ 0.219				19602	1170			2573
2574	92.21	3	106 48 13.96	+ 17.205	+ 0.207				19608				2574
2575	87.60	3	102 22 8.22	+ 17.211	+ 0.211			231	19609	1174	5423		2575
2576	91.87	3	103 51 47.46	+ 17.218	+ 0.210					1178			2576
2577	86.91	3	113 16 37.73	+ 17.218	+ 0.200				19620				2577
2578	91.94	3	99 54 1.78	+ 17.223	+ 0.213					1180			2578
2579	82.16	3	90 32 5.91	+ 17.243	+ 0.221	+ 0.130			19624	1192			2579
2580	88.89	3	102 46 0.35	+ 17.243	+ 0.210			232	19634	1197	5431		2580
2581	85.63	3	95 5 13.04	+ 17.252	+ 0.217				19637	1199			2581
2582	82.27	3	109 53 33.22	+ 17.253	+ 0.203				19641			1640	2582
2583	91.89	3	111 34 9.88	+ 17.263	+ 0.201								2583
2584	83.22	3	99 2 29.43	+ 17.289	+ 0.212				19662				2584
2585	89.59	3	114 47 5.83	+ 17.306	+ 0.196						5448		2585
2586	84.56	3	107 34 8.51	+ 17.314	+ 0.203				19689				2586
2587	91.91	3	96 40 44.57	+ 17.320	+ 0.213	+ 0.150			19681	1234			2587
2588	91.89	3	92 10 19.90	+ 17.323	+ 0.216								2588
2589	91.56	3	101 11 45.43	+ 17.334	+ 0.208				19697	1241			2589
2590	90.21	3	113 45 12.08	+ 17.334	+ 0.196						5455		2590
2591	90.19	3	92 59 2.67	+ 17.351	+ 0.215				19705	1246			2591
2592	84.80	3	102 31 52.83	+ 17.356	+ 0.206	- 0.038	1402	241	19709		5462		2592
2593	81.24	1	124 20 53.46	+ 17.394	+ 0.183			247			5474		2593
2594	89.58	3	110 24 46.80	+ 17.408	+ 0.197				19733				2594
2595	87.29	3	83 51 8.05	+ 17.412	+ 0.220	- 0.018	1404	244	19727	1268		1647	2595
2596	89.92	3	72 42 3.59	+ 17.424	+ 0.229	- 0.002	1403	245	19729			1648	2596
2597	91.81	3	95 1 47.99	+ 17.435	+ 0.210				19739				2597
2598	89.19	3	69 39 36.46	+ 17.437	+ 0.231								2598
2599	90.12	3	106 54 29.63	+ 17.437	+ 0.199				19746				2599
2600	85.25	3	106 36 12.35	+ 17.448	+ 0.199				19750			1649	2600
2601	85.28	3	97 11 18.78	+ 17.450	+ 0.207					1291			2601
2602	82.90	3	110 43 9.49	+ 17.451	+ 0.195				19754				2602
2603	89.54	3	109 10 21.25	+ 17.460	+ 0.197				19765			1651	2603
2604	85.28	3	97 5 35.12	+ 17.465	+ 0.207					1300			2604
2605	85.77	4	89 50 2.45	+ 17.466	+ 0.213	- 0.024	1407	250	19753	1298	5489		2605
2606	90.89	3	111 57 9.51	+ 17.469	+ 0.194								2606
2607	82.08	29	77 29 42.63	+ 17.476	+ 0.223	- 0.018	1406	251	19752	1299	5490	1652	2607
2608	91.86	3	92 56 23.66	+ 17.494	+ 0.209					1313			2608
2609	90.56	3	100 34 41.40	+ 17.498	+ 0.203	- 0.030				1318			2609
2610	89.57	3	109 12 26.03	+ 17.503	+ 0.195	+ 0.350			19780				2610

2567, 2596, 2607, are respectively 2424, 2448, 2452, of the Radcliffe Catalogue, 1845.

2567, 2596, 2607, are respectively 994, 999, 1000 of the Radcliffe Catalogue, 1860.

2579, 2587, 2609, 2610. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
2611	Hydræ	7-6	1	90°85	3	10 3 16.863	+ 2.8970	+ 0.0027		2611
2612	Hydræ	7-6	...	90°22	3	10 3 20.754	+ 2.9536	+ 0.0008		2612
2613	16 Sextantis	7	...	83°26	3	10 3 29.041	+ 3.1491	- 0.0070	- 0.0018	2613
2614	Hydræ	8	1	92°14	3	10 3 36.712	+ 2.7769	+ 0.0060		2614
2615	Hydræ	8	2	90°90	3	10 3 39.973	+ 2.9266	+ 0.0017		2615
2616	Hydræ	7	3	88°90	3	10 3 59.960	+ 2.8669	+ 0.0036		2616
2617	Hydræ	7	2	89°59	3	10 4 1.127	+ 2.9250	+ 0.0018		2617
2618	Hydræ	8	1	91°93	3	10 4 23.100	+ 2.9087	+ 0.0023		2618
2619	Hydræ	7-6	2	88°21	3	10 4 32.935	+ 2.9406	+ 0.0013		2619
2620	17 Sextantis	6	3	85°62	3	10 4 39.533	+ 2.9834	- 0.0002	- 0.0017	2620
2621	Hydræ	6-5	1	90°23	3	10 4 44.164	+ 2.9323	+ 0.0015		2621
2622	41 Hydræ λ	4*	...	82°31	3	10 5 13.476	+ 2.9383	+ 0.0014	- 0.0148	2622
2623	Hydræ	7-8	1	90°23	3	10 5 19.200	+ 2.8633	+ 0.0039		2623
2624	Sextantis	8-7	2	90°96	3	10 5 25.926	+ 3.0515	- 0.0028		2624
2625	18 Sextantis	6	5	84°83	7	10 5 27.577	+ 2.9839	- 0.0002	- 0.0013	2625
2626	Hydræ	7-8	2	89°60	3	10 5 33.143	+ 2.8989	+ 0.0028		2626
2627	Sextantis	7-6	...	91°26	3	10 5 48.063	+ 2.9966	- 0.0006	+ 0.0030	2627
2628	Hydræ	6-7	1	90°93	3	10 6 3.967	+ 2.8603	+ 0.0040		2628
2629	Sextantis	8-7	...	92°22	3	10 6 30.662	+ 3.0095	- 0.0010		2629
2630	Hydræ	8	...	92°26	3	10 6 45.249	+ 2.8324	+ 0.0050		2630
2631	Antliæ	6-7	...	81°16	1	10 6 55.919	+ 2.6488	+ 0.0094		2631
2632	Hydræ	7-6	1	90°16	3	10 7 3.904	+ 2.9087	+ 0.0025		2632
2633	Hydræ	7	3	83°61	3	10 7 24.857	+ 2.8602	+ 0.0043		2633
2634	Hydræ	7	...	90°20	3	10 7 46.804	+ 2.8542	+ 0.0045		2634
2635	Sextantis	7-8	3	85°28	3	10 7 59.527	+ 3.0226	- 0.0014		2635
2636	Sextantis	9-8	2	92°51	3	10 8 13.179	+ 2.9705	+ 0.0006		2636
2637	Sextantis	7-8	3	88°20	3	10 8 14.323	+ 3.0213	- 0.0014		2637
2638	Sextantis	8	...	92°21	3	10 8 21.014	+ 3.0334	- 0.0019		2638
2639	Antliæ	6	...	86°92	3	10 8 33.133	+ 2.6747	+ 0.0092	- 0.0300	2639
2640	Hydræ	8-7	2	92°49	4	10 8 42.273	+ 2.8136	+ 0.0057		2640
2641	Sextantis	8	2	92°25	3	10 8 56.495	+ 3.0662	- 0.0032		2641
2642	Hydræ	7-6	2	82°58	3	10 9 0.155	+ 2.8048	+ 0.0061		2642
2643	Hydræ	7-8	2	87°91	3	10 9 31.413	+ 2.9468	+ 0.0014		2643
2644	Hydræ	8	2	92°23	3	10 9 53.780	+ 2.7870	+ 0.0066		2644
2645	32 Ursæ Majoris	6*	...	87°25	3	10 10 2.509	+ 4.4365	- 0.1145	- 0.0156	2645
2646	Hydræ	8-7	3	86°29	3	10 10 12.821	+ 2.9567	+ 0.0012		2646
2647	33 Ursæ Majoris λ	3-4*	...	84°23	4	10 10 27.724	+ 3.6552	- 0.0384	- 0.0165	2647
2648	Hydræ	6-7	4	86°29	3	10 10 43.802	+ 2.9571	+ 0.0012		2648
2649	Hydræ	7-8	...	91°91	3	10 10 57.218	+ 2.9016	+ 0.0033		2649
2650	Sextantis	8-7	2	85°23	3	10 11 12.087	+ 3.0485	- 0.0024		2650
2651	Hydræ	7-6	1	84°89	3	10 11 17.611	+ 2.8651	+ 0.0045		2651
2652	Hydræ	7-8	...	91°90	3	10 11 23.696	+ 2.9367	+ 0.0021		2652
2653	Hydræ	7-6	2	85°28	3	10 11 32.880	+ 2.8493	+ 0.0050		2653
2654	22 Sextantis	6-5	1	83°24	3	10 12 9.840	+ 2.9925	0.0000	- 0.0121	2654
2655	Hydræ	8	...	91°94	3	10 12 19.365	+ 2.8876	+ 0.0039		2655

2615. The N.P.D. of this star in Weisse's Bessel is about 10' too great.

2625. Yellowish-red star.

2648. Reddish star.

2620. Reddish-yellow star.

2638. The R.A. of this star in Weisse's Bessel is about 45^s too small.

2654. The R.A. of this star in Weisse's Bessel is 10^s too small.

No.	Mean Time of Observa- tion.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2611	90°85	3	105 4 25.62	+17.509	+0.199				19781	3			2611
2612	90°22	3	100 20 46.53	+17.511	+0.202					4			2612
2613	83°26	3	83 17 24.23	+17.517	+0.216	-0.011	1409	253	19772	2		1654	2613
2614	92°14	3	114 26 55.87	+17.523	+0.189								2614
2615	90°90	3	102 39 17.04	+17.525	+0.200				19786	9			2615
2616	88°90	3	107 35 57.49	+17.539	+0.195				19797			1655	2616
2617	89°59	3	102 49 23.17	+17.540	+0.199				19796				2617
2618	91°93	3	104 13 21.70	+17.555	+0.198								2618
2619	88°21	3	101 33 16.52	+17.562	+0.199				19810				2619
2620	85°62	3	97 52 3.83	+17.567	+0.202	-0.033	1410	1	19811	28	5502		2620
2621	90°23	3	102 16 20.13	+17.570	+0.199				19814	29	5507	1658	2621
2622	82°31	3	101 48 37.44	+17.591	+0.198	+0.065	1412	2	19822	39	5515	1659	2622
2623	90°23	3	108 3 44.66	+17.594	+0.193				19834				2623
2624	90°96	3	91 52 25.51	+17.599	+0.206				19823	44			2624
2625	85°27	4	97 52 33.02	+17.601	+0.201	+0.019	1413	5	19828	47	5516		2625
2626	89°60	3	105 10 6.17	+17.604	+0.195				19835	50			2626
2627	91°26	3	96 46 28.64	+17.614	+0.201	-0.005	1414	6	19836	53	5522		2627
2628	90°93	3	108 24 46.37	+17.626	+0.191				19852				2628
2629	92°22	3	95 39 40.21	+17.645	+0.201								2629
2630	92°26	3	110 44 25.78	+17.654	+0.188				19866				2630
2631	81°16	1	123 47 27.33	+17.662	+0.175						5533		2631
2632	90°16	3	104 31 28.99	+17.667	+0.193					72			2632
2633	83°61	3	108 36 22.54	+17.682	+0.189				19880				2633
2634	90°20	3	109 8 45.51	+17.697	+0.188				19891				2634
2635	85°28	3	94 32 30.85	+17.706	+0.199			11	19890	95			2635
2636	92°51	3	99 14 34.02	+17.715	+0.195								2636
2637	88°20	3	94 40 30.25	+17.715	+0.199			15	19895	99			2637
2638	92°21	3	93 34 43.85	+17.720	+0.200				19898	84			2638
2639	84°44	5	122 29 22.25	+17.729	+0.175	-0.030		18			5559		2639
2640	92°49	4	112 32 8.90	+17.734	+0.184				19913				2640
2641	92°25	3	90 34 51.57	+17.744	+0.201				19907	111			2641
2642	82°58	3	113 16 8.85	+17.747	+0.183				19920				2642
2643	87°91	3	101 27 58.61	+17.768	+0.192				19930				2643
2644	92°23	3	114 48 13.82	+17.783	+0.180								2644
2645	87°25	3	24 20 35.18	+17.789	+0.291	+0.008	1415	9				1663	2645
2646	86°29	3	100 38 21.80	+17.796	+0.191				19944	133			2646
2647	83°34	6	46 32 11.22	+17.806	+0.238	+0.058	1421	20	19923			1664	2647
2648	86°29	3	100 39 20.03	+17.817	+0.190								2648
2649	91°91	3	105 35 41.38	+17.826	+0.186				19967				2649
2650	85°23	3	92 14 55.09	+17.835	+0.196				19969	149			2650
2651	84°89	3	108 45 36.71	+17.840	+0.183								2651
2652	91°90	3	102 33 3.56	+17.843	+0.188				19980	157			2652
2653	85°28	3	110 7 14.24	+17.850	+0.182				19986				2653
2654	83°24	3	97 31 10.52	+17.874	+0.190	+0.016	1428	33	19991	166	5607		2654
2655	91°94	3	106 59 14.46	+17.880	+0.183				19999				2655

2645, 2647, are respectively 2464, 2468 of the Radcliffe Catalogue, 1845.
2622, 2627, 2645, 2647, are respectively 1003, 1005, 1008, 1011 of the Radcliffe Catalogue, 1860.
2639. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.				Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
									h.	m.	s.				
2656	Hydræ	...	...	...	7-8	1	89°61	3	10	12	23°968	+ 2°8117	+ 0°0063		2656
2657	Hydræ	...	...	...	7	1	90°24	3	10	12	28°254	+ 2°8400	+ 0°0055		2657
2658	Hydræ	...	...	...	7-8	1	90°23	3	10	12	39°624	+ 2°8472	+ 0°0052		2658
2659	Hydræ	...	...	...	7	2	89°51	3	10	13	0°305	+ 2°9363	+ 0°0022		2659
2660	Antliæ	...	...	...	6	...	82°47	5	10	13	4°888	+ 2°7468	+ 0°0081		2660
2661	Hydræ	...	...	...	7-8	1	92°21	3	10	13	34°448	+ 2°9601	+ 0°0013	- 0°0020	2661
2662	Hydræ	...	...	...	6-7	...	89°24	3	10	13	52°703	+ 2°9458	+ 0°0019		2662
2663	41 Leonis	...	...	γ ¹	3	1	84°99	31	10	13	54°437	+ 3°2945	- 0°0148	+ 0°0208	2663
2664	Sextantis	...	...	...	6-7	3	85°31	3	10	13	59°949	+ 3°0250	- 0°0012		2664
2665	Sextantis	...	...	...	8-7	4	85°96	3	10	14	3°524	+ 3°0238	- 0°0012		2665
2666	Sextantis	...	...	...	7-6	3	85°28	3	10	14	31°702	+ 2°9837	+ 0°0005		2666
2667	Sextantis	...	...	...	8	2	91°92	3	10	14	33°612	+ 3°0332	- 0°0016		2667
2668	Leonis	...	...	...	8-7	3	90°96	3	10	14	46°741	+ 3°1451	- 0°0068		2668
2669	Sextantis	...	...	...	7-8	1	91°58	3	10	15	7°542	+ 3°0142	- 0°0007		2669
2670	Sextantis	...	...	...	7-6	1	84°27	3	10	15	12°223	+ 3°0226	- 0°0011		2670
2671	Hydræ	...	...	...	7-8	1	88°28	3	10	15	30°652	+ 2°8756	+ 0°0047		2671
2672	Hydræ	...	...	...	7-8	1	90°13	3	10	15	30°696	+ 2°9155	+ 0°0032	- 0°0150	2672
2673	Sextantis	...	...	...	7-6	1	84°27	3	10	15	34°913	+ 3°0225	- 0°0011		2673
2674	34 Ursæ Majoris	...	...	μ	3*	...	92°27	3	10	15	46°399	+ 3°6023	- 0°0360	- 0°0083	2674
2675	Hydræ	...	...	...	7-6	2	88°89	3	10	15	50°145	+ 2°8882	+ 0°0043		2675
2676	Hydræ	...	...	...	7-6	...	89°45	4	10	15	51°843	+ 2°9345	+ 0°0025		2676
2677	Ursæ Majoris	...	...	...	5*	...	83°73	2	10	16	11°567	+ 4°3940	- 0°1167	- 0°0070	2677
2678	Hydræ	...	...	...	7	...	91°25	3	10	16	12°925	+ 2°8020	+ 0°0071		2678
2679	Hydræ	...	...	...	7-6	...	82°27	3	10	16	18°202	+ 2°8225	+ 0°0066		2679
2680	Hydræ	...	...	...	6-7	...	90°61	3	10	16	23°668	+ 2°8369	+ 0°0061		2680
2681	Hydræ	...	...	...	7-8	3	91°28	3	10	16	41°318	+ 2°8891	+ 0°0044		2681
2682	Hydræ	...	...	...	7-6	2	85°59	3	10	16	47°423	+ 2°9397	+ 0°0024		2682
2683	Hydræ	...	...	...	8	1	91°90	3	10	16	55°266	+ 2°8526	+ 0°0056		2683
2684	Hydræ	...	...	...	6-7	1	91°25	3	10	16	57°275	+ 2°8689	+ 0°0051		2684
2685	Sextantis	...	...	...	7	...	90°58	3	10	17	13°697	+ 2°9824	+ 0°0008		2685
2686	43 Leonis	...	...	...	6-7	...	90°14	3	10	17	15°036	+ 3°1447	- 0°0068	- 0°0028	2686
2687	Hydræ	...	...	...	7	2	85°27	3	10	17	48°553	+ 2°8185	+ 0°0069		2687
2688	24 Sextantis	...	...	...	7-6	2	87°22	3	10	17	50°476	+ 3°0690	- 0°0030	+ 0°0017	2688
2689	25 Sextantis	...	...	...	6-7	1	83°21	3	10	17	52°911	+ 3°0371	- 0°0016	- 0°0049	2689
2690	Hydræ	...	...	...	7-6	3	85°63	3	10	17	54°850	+ 2°9414	+ 0°0025		2690
2691	Sextantis	...	...	...	6-7	1	86°90	3	10	17	58°302	+ 3°0414	- 0°0018		2691
2692	Antliæ	...	...	...	6-7	...	80°90	3	10	18	10°362	+ 2°7450	+ 0°0090		2692
2693	Hydræ	...	...	...	8-7	...	92°24	3	10	18	11°109	+ 2°9511	+ 0°0021		2693
2694	Sextantis	...	...	...	8-7	...	92°20	3	10	18	13°197	+ 3°0553	- 0°0023		2694
2695	Hydræ	...	...	...	10-9	1	91°93	3	10	18	13°336	+ 2°9725	+ 0°0012		2695
2696	Hydræ	...	...	...	9-10	2	91°92	3	10	18	32°080	+ 2°9725	+ 0°0013		2696
2697	Hydræ	...	...	...	10-9	1	89°91	3	10	18	45°692	+ 2°9734	+ 0°0012		2697
2698	Sextantis	...	...	...	6	3	85°60	3	10	20	14°389	+ 3°0082	- 0°0001	- 0°0114	2698
2699	Sextantis	...	...	...	8-7	...	91°96	3	10	20	26°850	+ 3°0004	+ 0°0003		2699
2700	Hydræ	...	...	...	7-8	2	91°91	3	10	20	35°090	+ 2°8706	+ 0°0055		2700

2668. A fainter companion follows, and is north.

2683. Lalande's R.A. is 1^m too great.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2656	89.61	3	113 19 37.87	+ 17.884	+ 0.178				20007				2656
2657	90.24	3	111 2 28.11	+ 17.886	+ 0.180								2657
2658	90.23	3	110 28 32.42	+ 17.894	+ 0.180				20010				2658
2659	89.51	3	102 45 12.26	+ 17.907	+ 0.185				20014	185			2659
2660	82.47	5	118 26 32.48	+ 17.911	+ 0.173			39			5613		2660
2661	92.21	3	100 37 48.96	+ 17.929	+ 0.186	+ 0.110				194			2661
2662	89.24	3	101 58 33.96	+ 17.942	+ 0.184				20041	204		1675	2662
2663	81.05	20	69 36 7.62	+ 17.942	+ 0.207	+ 0.136	1432	38	20023		5620	1673	2663
2664	85.31	3	94 33 7.97	+ 17.946	+ 0.189			41	20043	205	5623		2664
2665	85.96	3	94 40 28.85	+ 17.949	+ 0.189				20045	207			2665
2666	85.28	3	98 30 16.44	+ 17.967	+ 0.186				20059	212			2666
2667	91.92	3	93 47 28.79	+ 17.968	+ 0.189								2667
2668	90.96	3	83 0 58.11	+ 17.977	+ 0.196					214		1677	2668
2669	91.58	3	95 38 23.51	+ 17.990	+ 0.187				20075	222			2669
2670	84.27	3	94 49 44.08	+ 17.993	+ 0.187				20076	224			2670
2671	88.28	3	108 30 0.32	+ 18.005	+ 0.177				20090				2671
2672	90.13	3	104 56 8.90	+ 18.005	+ 0.180	- 0.275			20089				2672
2673	84.27	3	94 51 45.83	+ 18.008	+ 0.186				20086	229			2673
2674	86.27	3	47 56 51.01	+ 18.015	+ 0.223	- 0.034	1434	45	20069			1680	2674
2675	88.89	3	107 25 50.04	+ 18.017	+ 0.177				20098				2675
2676	89.45	4	103 13 58.39	+ 18.018	+ 0.180				20095	236			2676
2677	82.18	7	23 52 39.77	+ 18.031	+ 0.273	+ 0.014	1429	42				1682	2677
2678	91.25	3	114 49 9.02	+ 18.032	+ 0.171						5645		2678
2679	82.27	3	113 9 27.17	+ 18.035	+ 0.172				20114				2679
2680	90.61	3	111 58 27.85	+ 18.039	+ 0.173								2680
2681	91.28	3	107 28 47.39	+ 18.050	+ 0.176				20128				2681
2682	85.59	3	102 51 16.28	+ 18.053	+ 0.179				20129	251			2682
2683	91.90	3	110 43 17.11	+ 18.059	+ 0.173				20163				2683
2684	91.25	3	109 18 42.89	+ 18.060	+ 0.174				20137				2684
2685	90.58	3	98 50 24.18	+ 18.070	+ 0.181				20140	258			2685
2686	90.14	3	82 53 55.95	+ 18.071	+ 0.191	+ 0.091	1441	54	20131	256		1685	2686
2687	85.27	3	113 46 37.87	+ 18.093	+ 0.170				20160		5665		2687
2688	87.22	3	90 20 42.62	+ 18.093	+ 0.185	0.000	1442	57	20150	268	5664		2688
2689	83.21	3	93 31 5.77	+ 18.095	+ 0.183	- 0.028	1443	59	20154	270	5666		2689
2690	85.63	3	102 49 10.30	+ 18.097	+ 0.177				20158	274			2690
2691	86.90	3	93 5 13.45	+ 18.098	+ 0.183				20156	271	5667		2691
2692	80.90	3	119 36 21.57	+ 18.106	+ 0.164						5670		2692
2693	92.24	3	101 55 54.42	+ 18.107	+ 0.177				20167	275			2693
2694	92.20	3	91 43 11.31	+ 18.108	+ 0.184				20162				2694
2695	91.92	3	99 52 44.53	+ 18.108	+ 0.178								2695
2696	91.92	3	99 54 11.19	+ 18.120	+ 0.178								2696
2697	89.91	3	99 50 28.99	+ 18.128	+ 0.178								2697
2698	85.60	3	96 30 18.79	+ 18.183	+ 0.177	- 0.139	1447	71	20222	314	5689		2698
2699	91.96	3	97 18 0.25	+ 18.191	+ 0.176					319			2699
2700	91.91	3	109 46 0.83	+ 18.196	+ 0.168				20250				2700

2663, 2674, 2677, are respectively 2480, 2487, 2485 of the Radcliffe Catalogue, 1845.
2663, 2674, 2686, 2688, 2698, are respectively 1019, 1023, 1026, 1028, 1030 of the Radcliffe Catalogue, 1860.
2661, 2672. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
2701	42 Hydræ μ	4	2	85.65	48	10 20 46.143	+ 2.9087	+ 0.0040	- 0.0098	2701
2702	Sextantis	7	1	89.89	3	10 20 46.861	+ 3.0149	- 0.0004	- 0.0054	2702
2703	26 Sextantis	6-7	1	91.25	3	10 20 59.970	+ 3.0683	- 0.0028	- 0.0034	2703
2704	27 Sextantis	7	3	90.24	3	10 21 13.376	+ 3.0351	- 0.0013	- 0.0077	2704
2705	Hydræ	8-7	2	88.57	3	10 21 49.529	+ 2.8953	+ 0.0048		2705
2706	Hydræ	7-8	3	85.25	3	10 22 6.611	+ 2.8955	+ 0.0048		2706
2707	Antliæ α	4*	...	80.93	3	10 22 6.939	+ 2.7462	+ 0.0097	- 0.0087	2707
2708	Hydræ	8	1	92.26	3	10 22 7.821	+ 2.8349	+ 0.0070		2708
2709	Hydræ	8-9	2	92.19	3	10 22 22.060	+ 2.8618	+ 0.0061		2709
2710	Hydræ	8	1	92.28	3	10 22 28.985	+ 2.9209	+ 0.0038		2710
2711	Sextantis	8-7	1	88.86	3	10 23 0.854	+ 2.9824	+ 0.0012		2711
2712	Sextantis	6-7	...	84.29	3	10 23 9.411	+ 3.0420	- 0.0015	- 0.0008	2712
2713	Hydræ	7	3	85.61	3	10 23 19.100	+ 2.8844	+ 0.0054		2713
2714	Hydræ	8	...	92.26	3	10 23 23.260	+ 2.9371	+ 0.0032		2714
2715	Hydræ	8-7	...	92.21	3	10 23 42.201	+ 2.9578	+ 0.0023		2715
2716	29 Sextantis	6-5	2	83.25	3	10 23 53.476	+ 3.0518	- 0.0019	- 0.0046	2716
2717	Antliæ	8-7	1	87.25	3	10 24 15.365	+ 2.7596	+ 0.0098		2717
2718	Hydræ	7-8	3	86.65	3	10 24 27.658	+ 2.8594	+ 0.0064		2718
2719	Antliæ δ	6-5	...	85.91	3	10 24 31.357	+ 2.7596	+ 0.0098		2719
2720	30 Sextantis	5-6	2	85.30	3	10 24 40.098	+ 3.0718	- 0.0029	- 0.0032	2720
2721	Hydræ	9-8	2	92.26	3	10 25 9.845	+ 2.8296	+ 0.0076		2721
2722	Sextantis	6	1	82.22	3	10 25 28.403	+ 3.0060	+ 0.0004	- 0.0050	2722
2723	Hydræ	6	3	85.61	3	10 25 35.525	+ 2.9487	+ 0.0030		2723
2724	Draconis	5	1	85.61	3	10 25 44.222	+ 5.2615	- 0.2759	- 0.0118	2724
2725	Hydræ	7-8	2	89.23	3	10 26 14.801	+ 2.9368	+ 0.0035		2725
2726	Sextantis	8-7	...	91.93	3	10 26 15.231	+ 2.9941	+ 0.0010		2726
2727	Sextantis	7-8	1	89.53	3	10 26 34.025	+ 2.9708	+ 0.0021		2727
2728	Antliæ	6-7	...	80.28	3	10 26 41.238	+ 2.7949	+ 0.0091		2728
2729	Sextantis	7	2	86.22	3	10 26 56.180	+ 3.0216	- 0.0003		2729
2730	47 Leonis ρ	4	1	86.72	42	10 27 1.160	+ 3.1643	- 0.0080	- 0.0012	2730
2731	43 Hydræ ϕ^1	7-8	1	88.26	3	10 27 19.950	+ 2.9178	+ 0.0045	- 0.0050	2731
2732	Hydræ	7-6	2	90.22	3	10 27 39.594	+ 2.8611	+ 0.0068		2732
2733	Sextantis	7	4	89.17	3	10 27 40.870	+ 3.0286	- 0.0005	+ 0.0050	2733
2734	Hydræ	7-6	3	85.29	3	10 27 47.590	+ 2.9532	+ 0.0030		2734
2735	37 Ursæ Majoris	5*	...	87.94	3	10 28 4.280	+ 3.8966	- 0.0699	+ 0.0054	2735
2736	44 Hydræ	6-5	1	82.58	3	10 28 46.775	+ 2.8507	+ 0.0074	- 0.0026	2736
2737	Sextantis	7-8	2	88.91	3	10 28 49.684	+ 2.9874	+ 0.0015		2737
2738	48 Leonis	6*	...	87.25	3	10 29 3.606	+ 3.1407	- 0.0065	- 0.0086	2738
2739	Sextantis	7-6	1	85.49	4	10 29 15.604	+ 3.0425	- 0.0011	0.0000	2739
2740	Hydræ	7-8	1	91.57	3	10 29 26.186	+ 2.8684	+ 0.0069		2740
2741	Hydræ	7-6	2	84.97	3	10 29 43.491	+ 2.8589	+ 0.0073	- 0.0106	2741
2742	Sextantis	7-8	2	89.21	3	10 29 52.547	+ 3.0295	- 0.0004		2742
2743	Hydræ	7	3	88.26	3	10 29 56.683	+ 2.9610	+ 0.0029		2743
2744	Hydræ	7-6	3	88.61	3	10 30 18.682	+ 2.9068	+ 0.0054		2744
2745	Hydræ	7-8	3	86.30	3	10 30 19.279	+ 2.9512	+ 0.0034		2745

2701. Reddish star.

2720. The R.A. of this star in Weisse's Bessel is 10^s too great.

2730. The N.P.D. of this star in Weisse's Bessel is 1' too small.

2709. A slightly fainter star precedes by about 10^s, and is south.

No.	Mean Time of Observa- tion.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2701	81.89	19	106 16 29.91	+ 18.202	+ 0.170	+ 0.061	1451	74	20257		5697	1689	2701
2702	89.89	3	95 52 3.95	+ 18.203	+ 0.177	- 0.027	1449		20249	326	5696		2702
2703	91.25	3	90 25 43.71	+ 18.211	+ 0.180	- 0.017	1450	73	20255	329	5698		2703
2704	90.24	3	93 49 42.67	+ 18.219	+ 0.177	- 0.018	1452	75	20263	333	5700		2704
2705	88.57	3	107 41 47.81	+ 18.241	+ 0.168				20289				2705
2706	85.25	3	107 43 34.24	+ 18.252	+ 0.167				20297				2706
2707	80.76	4	120 30 29.28	+ 18.252	+ 0.158	+ 0.001		82			5714	1692	2707
2708	92.26	3	113 13 20.47	+ 18.252	+ 0.163								2708
2709	92.19	3	110 52 16.57	+ 18.261	+ 0.165								2709
2710	92.28	3	105 21 24.80	+ 18.265	+ 0.168				20308	362			2710
2711	88.86	3	99 19 10.72	+ 18.284	+ 0.171				20319	371			2711
2712	84.29	3	93 10 47.43	+ 18.289	+ 0.174	- 0.010	1456		20320	372	5722		2712
2713	85.61	3	108 57 43.89	+ 18.295	+ 0.164				20338				2713
2714	92.26	3	103 54 13.33	+ 18.297	+ 0.167					380			2714
2715	92.21	3	101 52 21.80	+ 18.309	+ 0.168				20341	388			2715
2716	83.25	3	92 10 33.89	+ 18.315	+ 0.173	+ 0.018	1457	86	20343	389	5728	1695	2716
2717	87.25	3	119 58 37.08	+ 18.328	+ 0.155								2717
2718	86.65	3	111 28 54.91	+ 18.336	+ 0.161				20366				2718
2719	85.94	3	120 2 39.04	+ 18.337	+ 0.155			91			5738	1699	2719
2720	85.30	3	90 4 22.81	+ 18.343	+ 0.173	+ 0.011	1459	87	20358	405	5739		2720
2721	92.26	3	114 18 58.91	+ 18.361	+ 0.158								2721
2722	82.22	3	97 4 23.80	+ 18.371	+ 0.168	- 0.028	1462	94	20383	415	5751		2722
2723	85.61	3	103 1 26.53	+ 18.375	+ 0.164				20389	418		1702	2723
2724	82.55	7	13 43 14.81	+ 18.381	+ 0.299	+ 0.005	1446	78				1700	2724
2725	89.23	3	104 19 13.42	+ 18.399	+ 0.162				20410	429			2725
2726	91.93	3	98 23 12.10	+ 18.399	+ 0.166				20408	428			2726
2727	89.53	3	100 51 26.05	+ 18.409	+ 0.164				20416	435			2727
2728	80.28	3	117 40 17.47	+ 18.413	+ 0.154						5760		2728
2729	86.22	3	95 30 29.44	+ 18.422	+ 0.166				20428	441			2729
2730	82.23	9	80 7 38.15	+ 18.425	+ 0.174	- 0.011	1467	102	20421	438	5763	1705	2730
2731	88.26	3	106 23 24.15	+ 18.436	+ 0.160	+ 0.090		104	20438		5771		2731
2732	90.22	3	111 57 41.57	+ 18.447	+ 0.156								2732
2733	89.17	3	94 47 29.14	+ 18.448	+ 0.165	+ 0.150			20443	447			2733
2734	85.29	3	102 50 14.32	+ 18.452	+ 0.161				20450	452			2734
2735	87.94	3	32 21 3.56	+ 18.461	+ 0.214	- 0.039	1464	101					2735
2736	82.58	3	113 10 42.10	+ 18.485	+ 0.153	- 0.030	1471	111	20476		5786	1707	2736
2737	88.91	3	99 19 52.85	+ 18.487	+ 0.161				20464				2737
2738	87.25	3	82 28 47.47	+ 18.495	+ 0.169	- 0.067	1468	110	20473	476		1708	2738
2739	85.49	4	93 19 34.72	+ 18.502	+ 0.163	+ 0.120			20483	486			2739
2740	91.57	3	111 38 5.32	+ 18.508	+ 0.153				20489				2740
2741	84.97	3	112 36 32.04	+ 18.517	+ 0.152	- 0.012	1472		20495		5796		2741
2742	89.21	3	94 47 36.44	+ 18.523	+ 0.161				20491				2742
2743	88.26	3	102 17 18.88	+ 18.525	+ 0.157				20496	497			2743
2744	88.61	3	108 0 1.88	+ 18.537	+ 0.154				20514				2744
2745	86.30	3	103 23 10.55	+ 18.537	+ 0.156				20513				2745

2724, 2730, 2735, 2738, 2741 are respectively 2504, 2512, 2514, 2520, 2523 of the Radcliffe Catalogue, 1845.
2701, 2702, 2730, 2735, 2738, 2741 are respectively 1032, 1031, 1040, 1041, 1042, 1043 of the Radcliffe Catalogue, 1860.
2707. The Proper Motions have been taken from Auwers' "Catalog der Fundamental-Sterne."
2731, 2733, 2739. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.				Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
									h.	m.	s.				
2746	Hydræ	...	...	...	9-8	2	92°27	3	10	30	38.243	+ 2.8786	+ 0.0067		2746
2747	Sextantis	...	...	...	8-9	2	92°26	3	10	30	46.497	+ 3.0618	- 0.0021		2747
2748	Sextantis	...	...	...	7-6	1	83°23	3	10	30	48.964	+ 2.9830	+ 0.0019		2748
2749	Hydræ	...	...	...	6-7	...	81°31	1	10	30	53.138	+ 2.8242	+ 0.0087		2749
2750	Hydræ	...	...	ϕ ²	6	2	82°24	3	10	30	54.354	+ 2.9293	+ 0.0044	- 0.0043	2750
2751	Sextantis	...	...	...	6-7	2	85°30	3	10	31	3.687	+ 2.9683	+ 0.0027	+ 0.0153	2751
2752	Hydræ	...	...	...	8	...	92°58	3	10	31	29.783	+ 2.8960	+ 0.0060		2752
2753	Sextantis	...	...	...	7	3	83°59	3	10	31	30.787	+ 2.9994	+ 0.0012		2753
2754	Sextantis	...	...	...	7-6	3	85°59	3	10	31	44.723	+ 2.9733	+ 0.0025		2754
2755	Hydræ	...	...	...	5	...	82°95	3	10	32	3.882	+ 2.8192	+ 0.0092		2755
2756	Hydræ	...	...	U	Var.	3	85°33	3	10	32	7.278	+ 2.9588	+ 0.0032		2756
2757	Sextantis	...	...	...	8-9	...	91°92	3	10	33	0.872	+ 3.0151	+ 0.0006		2757
2758	Hydræ	...	...	...	8	3	92°16	3	10	33	12.063	+ 2.9184	+ 0.0052		2758
2759	Hydræ	...	...	ϕ ³	5*	...	83°63	3	10	33	13.299	+ 2.9279	+ 0.0048	- 0.0099	2759
2760	Hydræ	...	...	...	9-8	3	91°95	3	10	33	18.692	+ 2.8531	+ 0.0082		2760
2761	Hydræ	...	...	...	6-7	2	82°31	3	10	33	24.023	+ 2.9688	+ 0.0028		2761
2762	Hydræ	...	...	...	8-7	...	91°93	3	10	33	26.872	+ 2.9390	+ 0.0043		2762
2763	Hydræ	...	...	...	8-7	3	88°57	3	10	34	25.587	+ 2.8759	+ 0.0074		2763
2764	38 Ursæ Majoris	...	...	...	5*	...	89°99	4	10	34	25.905	+ 4.1829	- 0.1122	- 0.0285	2764
2765	Hydræ	...	...	...	8-7	3	87°60	3	10	34	45.397	+ 2.9350	+ 0.0046		2765
2766	Ursæ Majoris	...	...	...	5	2	83°01	4	10	35	11.173	+ 4.3762	- 0.1418	+ 0.0028	2766
2767	Sextantis	...	...	...	8-9	1	92°49	4	10	35	29.875	+ 2.9841	+ 0.0024		2767
2768	33 Sextantis	...	...	...	6-7	3	85°28	3	10	35	48.353	+ 3.0627	- 0.0019	- 0.0120	2768
2769	Antliæ	...	...	...	6-7	...	90°24	1	10	35	50.034	+ 2.7343	+ 0.0130		2769
2770	Sextantis	...	...	...	8-9	...	92°60	3	10	36	20.466	+ 3.0433	- 0.0008		2770
2771	Sextantis	...	...	...	7-8	...	91°97	3	10	36	21.107	+ 3.0098	+ 0.0011		2771
2772	Sextantis	...	...	...	8-7	...	92°28	3	10	36	21.156	+ 3.0223	+ 0.0004		2772
2773	Hydræ	...	...	...	7	2	87°29	3	10	36	45.480	+ 2.9610	+ 0.0036	+ 0.0120	2773
2774	Sextantis	...	...	...	7-6	3	87°26	3	10	36	56.638	+ 3.0046	+ 0.0014		2774
2775	34 Sextantis	...	...	...	6-7	8	86°38	29	10	36	56.651	+ 3.1069	- 0.0045	- 0.0090	2775
2776	Hydræ	...	...	...	8-7	...	91°97	3	10	37	2.804	+ 2.8999	+ 0.0067		2776
2777	Hydræ	...	...	...	6	1	82°21	3	10	37	5.671	+ 2.9598	+ 0.0038		2777
2778	Hydræ	...	...	...	7	...	90°23	4	10	37	35.684	+ 2.8731	+ 0.0081	- 0.0019	2778
2779	Hydræ	...	...	...	8-9	1	92°29	3	10	37	36.658	+ 2.8831	+ 0.0077		2779
2780	Antliæ	...	...	...	6	...	80°27	2	10	37	37.058	+ 2.7770	+ 0.0119		2780
2781	35 Sextantis	...	...	...	6-7	...	81°60	3	10	37	38.228	+ 3.1163	- 0.0050	0.0000	2781
2782	Antliæ	...	...	...	6-7	...	85°74	2	10	38	9.945	+ 2.7897	+ 0.0116		2782
2783	Hydræ	...	...	...	8-7	...	92°21	3	10	38	59.930	+ 2.9171	+ 0.0061		2783
2784	Hydræ	...	...	...	7	2	86°24	4	10	39	11.682	+ 2.8727	+ 0.0084		2784
2785	36 Sextantis	...	...	...	6-7	1	85°91	3	10	39	29.380	+ 3.0971	- 0.0038	- 0.0053	2785
2786	Sextantis	...	...	...	9-10	3	92°60	3	10	39	48.554	+ 3.0658	- 0.0019		2786
2787	Sextantis	...	...	...	7-8	3	88°88	3	10	40	19.112	+ 2.9911	+ 0.0025		2787
2788	Hydræ	...	...	...	8-7	1	92°28	3	10	40	51.140	+ 2.8818	+ 0.0082		2788
2789	Crateris	...	...	...	7-8	3	86°25	3	10	40	58.261	+ 2.9692	+ 0.0037		2789
2790	Hydræ	...	...	...	7-8	...	92°23	3	10	41	1.348	+ 2.9561	+ 0.0045		2790

2756. Very red star. The limits of magnitude are 4.5 and 6.3 : the period is uncertain.
2781. Double : the companion precedes, and is south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
2746	92°27	3	110 52 45.52	+ 18.548	+ 0.152								2746
2747	92°26	3	91 12 17.88	+ 18.552	+ 0.162					513			2747
2748	83°23	3	100 0 45.77	+ 18.554	+ 0.157				20521	515			2748
2749	81°31	1	116 6 12.15	+ 18.556	+ 0.148						5806		2749
2750	82°25	4	105 46 30.13	+ 18.557	+ 0.154	- 0.019	1474	118	20525		5807		2750
2751	85°30	3	101 38 21.89	+ 18.562	+ 0.156	+ 0.582				520			2751
2752	92°58	3	109 19 19.08	+ 18.576	+ 0.151								2752
2753	83°59	3	98 16 3.89	+ 18.577	+ 0.157				20539	532			2753
2754	85°59	3	101 10 37.72	+ 18.585	+ 0.155				20545				2754
2755	82°52	4	116 50 34.15	+ 18.595	+ 0.146			123			5825	1711	2755
2756	85°33	3	102 48 45.06	+ 18.596	+ 0.153				20556	544	5827	1712	2756
2757	91°92	3	96 36 37.56	+ 18.626	+ 0.155					558			2757
2758	92°16	3	107 18 50.32	+ 18.632	+ 0.149								2758
2759	83°63	3	106 18 20.29	+ 18.632	+ 0.150	- 0.051	1479	127	20585		5842	1715	2759
2760	91°95	3	113 57 50.52	+ 18.636	+ 0.146								2760
2761	82°31	3	101 52 18.56	+ 18.638	+ 0.152				20591	564			2761
2762	91°93	3	105 9 28.55	+ 18.640	+ 0.150				20594				2762
2763	88°57	3	111 57 26.87	+ 18.672	+ 0.145				20615				2763
2764	88°04	5	23 42 27.42	+ 18.672	+ 0.215	+ 0.077	1476	124				1718	2764
2765	87°60	3	105 47 44.64	+ 18.682	+ 0.148				20619				2765
2766	82°71	10	20 20 54.93	+ 18.695	+ 0.223	+ 0.032		126				1719	2766
2767	92°25	3	100 23 59.75	+ 18.706	+ 0.149					597			2767
2768	85°28	3	91 9 48.16	+ 18.715	+ 0.152	+ 0.104	1482	134		607	5879		2768
2769	85°25	2	125 10 8.35	+ 18.716	+ 0.135						5880		2769
2770	92°60	3	93 29 56.80	+ 18.731	+ 0.150				20658	617			2770
2771	91°97	3	97 28 50.91	+ 18.732	+ 0.149					620			2771
2772	92°28	3	95 59 58.53	+ 18.732	+ 0.149				20659	619			2772
2773	87°29	3	103 12 24.86	+ 18.744	+ 0.145	+ 0.130			20671	625			2773
2774	87°26	3	98 9 6.81	+ 18.750	+ 0.147				20677	629			2774
2775	83°51	8	85 50 32.06	+ 18.751	+ 0.153	- 0.033	1484	138	20672	626	5891	1723	2775
2776	91°97	3	110 1 38.73	+ 18.754	+ 0.142				20682				2776
2777	82°21	3	103 23 57.26	+ 18.755	+ 0.145				20680	634			2777
2778	90°23	4	112 58 22.73	+ 18.771	+ 0.139	+ 0.045	1489		20701		5902		2778
2779	92°29	3	111 55 51.65	+ 18.771	+ 0.140								2779
2780	80°27	2	122 8 23.61	+ 18.771	+ 0.134			143			5903		2780
2781	82°54	4	84 40 29.93	+ 18.772	+ 0.152	0.000	1487	141	20692	641		1726	2781
2782	85°74	2	121 10 58.52	+ 18.788	+ 0.134						5909		2782
2783	92°21	3	108 33 53.38	+ 18.814	+ 0.139				20719				2783
2784	84°95	3	113 24 30.66	+ 18.820	+ 0.137				20729				2784
2785	85°91	3	86 56 0.88	+ 18.828	+ 0.147	- 0.006	1491	147	20727			1727	2785
2786	92°60	3	90 50 22.56	+ 18.838	+ 0.145								2786
2787	88°88	3	100 8 5.33	+ 18.853	+ 0.141				20753	681			2787
2788	92°28	3	112 51 12.65	+ 18.869	+ 0.134				20769				2788
2789	86°25	3	102 52 51.27	+ 18.873	+ 0.138				20768	693			2789
2790	92°23	3	104 27 18.72	+ 18.874	+ 0.138				20771	696			2790

2764, 2766, 2775, are respectively 2533, 2539, 2545 of the Radcliffe Catalogue, 1845.

2764, 2766, 2768, 2775, 2778, are respectively 1048, 1049, 1050, 1053, 1055 of the Radcliffe Catalogue, 1860.

2751. The Proper Motions have been taken from Bonn Obs., Vol. VII.

2766. The Proper Motions have been taken from Auwers' "Catalog der Fundamental-Sterne."

2773. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
2791	Hydræ	7-8	2	88.89	3	10	41	7.915	+ 2.9156	+ 0.0066		2791
2792	Hydræ	7-8	1	89.58	3	10	41	10.650	+ 2.9235	+ 0.0061		2792
2793	Hydræ <i>b</i> ¹	6-5	2	83.26	3	10	41	28.633	+ 2.9376	+ 0.0055	- 0.0026	2793
2794	Hydræ	7-6	...	87.27	3	10	41	29.095	+ 2.8586	+ 0.0095		2794
2795	Leonis	9	1	92.49	3	10	41	38.721	+ 3.2015	- 0.0110		2795
2796	Hydræ	9-8	2	91.95	3	10	41	52.154	+ 2.8738	+ 0.0088		2796
2797	Leonis	9	1	92.49	3	10	41	55.375	+ 3.2013	- 0.0110		2797
2798	Hydræ	7	4	86.32	3	10	42	12.427	+ 2.9559	+ 0.0046		2798
2799	Hydræ	8-7	4	88.53	4	10	42	14.372	+ 2.9561	+ 0.0046		2799
2800	Hydræ	8-7	4	88.94	3	10	42	14.515	+ 2.9561	+ 0.0046		2800
2801	Crateris	8	...	92.29	3	10	42	40.900	+ 2.9818	+ 0.0033		2801
2802	Sextantis	6	1	83.15	3	10	43	4.048	+ 3.0619	- 0.0014		2802
2803	39 Sextantis	7	2	84.29	3	10	43	27.149	+ 3.0069	+ 0.0019	+ 0.0025	2803
2804	53 Leonis <i>l</i>	5	4	84.97	37	10	43	28.548	+ 3.1587	- 0.0081	- 0.0015	2804
2805	Sextantis	7-8	1	91.98	3	10	43	35.465	+ 3.0356	+ 0.0003		2805
2806	40 Sextantis	7-6	...	90.16	3	10	43	42.565	+ 3.0462	- 0.0004	- 0.0031	2806
2807	Sextantis	8-7	...	90.18	2	10	43	42.585	+ 3.0462	- 0.0004	- 0.0031	2807
2808	Hydræ <i>v</i>	3-4*	...	83.65	3	10	44	11.672	+ 2.9511	+ 0.0052	+ 0.0049	2808
2809	Sextantis	5-6	1	89.85	3	10	44	13.065	+ 3.0017	+ 0.0023		2809
2810	Seztantis	8-7	...	92.21	3	10	44	27.387	+ 3.0201	+ 0.0013		2810
2811	41 Sextantis	6	3	84.95	3	10	44	46.865	+ 3.0095	+ 0.0018	- 0.0011	2811
2812	Antliæ	6	...	86.94	3	10	44	49.824	+ 2.7876	+ 0.0133		2812
2813	Sextantis	6-7	4	85.30	3	10	45	29.933	+ 3.0538	- 0.0008		2813
2814	Hydræ <i>b</i> ²	6-7	1	89.91	3	10	45	42.883	+ 2.9362	+ 0.0063	- 0.0040	2814
2815	Sextantis	7	3	87.90	3	10	45	43.858	+ 3.0416	0.0000		2815
2816	Hydræ <i>V</i>	Var.	4	86.95	3	10	46	16.281	+ 2.9131	+ 0.0075		2816
2817	Leonis	6-7	1	82.63	3	10	46	34.631	+ 3.0843	- 0.0028		2817
2818	Crateris	7-8	2	88.94	3	10	46	48.350	+ 2.9945	+ 0.0030		2818
2819	46 Leonis Minoris	4*	...	89.26	3	10	47	9.628	+ 3.3629	- 0.0255	+ 0.0053	2819
2820	Sextantis	7	3	90.18	3	10	47	17.397	+ 3.0270	+ 0.0011	- 0.0170	2820
2821	Hydræ	8-7	...	91.88	3	10	47	33.307	+ 2.9478	+ 0.0059		2821
2822	Hydræ	7	2	82.58	3	10	47	43.814	+ 2.9213	+ 0.0075	- 0.0180	2822
2823	Sextantis	6-7	1	85.31	3	10	47	49.406	+ 3.0604	- 0.0011		2823
2824	Antliæ	6-7	...	...	...	10	47	54.392	+ 2.7839	+ 0.0142		2824
2825	Crateris	7	1	87.62	3	10	48	6.082	+ 2.9630	+ 0.0051		2825
2826	Hydræ <i>b</i> ³	6-5	3	86.25	3	10	48	6.521	+ 2.9260	+ 0.0072	+ 0.0038	2826
2827	Leonis	6	2	84.65	3	10	48	7.552	+ 3.0614	- 0.0011		2827
2828	Leonis	8-9	2	91.95	3	10	48	26.051	+ 3.0477	- 0.0002		2828
2829	Crateris	7	3	86.53	4	10	48	28.305	+ 2.9864	+ 0.0037		2829
2830	Hydræ	8-9	1	92.59	3	10	48	45.937	+ 2.9023	+ 0.0088	+ 0.0020	2830
2831	Crateris	6-7	1	84.62	3	10	48	50.009	+ 2.9769	+ 0.0043		2831
2832	Crateris	8	...	91.94	3	10	49	13.802	+ 3.0169	+ 0.0019		2832
2833	Hydræ	9	...	91.98	3	10	49	22.777	+ 2.8901	+ 0.0095		2833
2834	Hydræ	7	3	84.65	3	10	49	49.372	+ 2.9252	+ 0.0076		2834
2835	55 Leonis	6	2	83.19	3	10	50	2.776	+ 3.0818	- 0.0025	+ 0.0057	2835

2801. A slightly fainter star, Lalande 20818, follows 2^s, and is about 2' north.

2802. The R. A. of this star in Weisse's Bessel is 10^s too small.

2803. The Declination of this star in Weisse's Bessel is wrong in sign.

2816. The limits of magnitude are 6.7 and 9.5: the period is irregular.

2823. A star of the 8-9 magnitude has nearly the same R. A. and is about 35" south.

2824. The R. A. has been supplied from the Cape Catalogue, 1880.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2791	88.89	3	109 10 54.70	+ 18.877	+ 0.135				20776				2791
2792	89.58	3	108 17 39.54	+ 18.879	+ 0.136								2792
2793	83.26	3	106 43 1.06	+ 18.888	+ 0.136	- 0.003	1496	155	20785		5947		2793
2794	87.27	3	115 28 13.65	+ 18.888	+ 0.132						5948		2794
2795	92.49	3	73 56 51.19	+ 18.892	+ 0.148								2795
2796	91.95	3	113 58 8.89	+ 18.899	+ 0.132								2796
2797	92.49	3	73 55 7.78	+ 18.901	+ 0.148								2797
2798	86.32	3	104 40 53.41	+ 18.909	+ 0.135				20799				2798
2799	88.94	3	104 39 49.96	+ 18.909	+ 0.135				20801				2799
2800	88.53	4	104 39 43.62	+ 18.910	+ 0.135				20801				2800
2801	92.67	5	101 35 6.64	+ 18.923	+ 0.136				20816	727			2801
2802	83.15	3	91 22 41.90	+ 18.933	+ 0.139				20823	733			2802
2803	84.29	3	98 31 4.72	+ 18.945	+ 0.136	+ 0.006	1502	165	20835	747	5975		2803
2804	81.63	13	78 52 21.36	+ 18.945	+ 0.143	+ 0.020	1500	162	20826	743	5974	1732	2804
2805	91.98	3	94 49 33.32	+ 18.949	+ 0.137				20837	749			2805
2806	90.16	3	93 26 33.08	+ 18.952	+ 0.137	- 0.021	1503	166	20839	752	5978		2806
2807	90.16	3	93 26 30.53	+ 18.952	+ 0.137	- 0.021			20839				2807
2808	83.65	3	105 37 5.51	+ 18.966	+ 0.132	- 0.215	1504	167	20853		5986	1734	2808
2809	89.85	3	99 16 12.22	+ 18.967	+ 0.134				20850	760		1735	2809
2810	92.21	3	96 53 57.64	+ 18.974	+ 0.134				20861	764			2810
2811	84.95	3	98 18 53.63	+ 18.983	+ 0.133	+ 0.008	1505	169		771	5992		2811
2812	86.94	3	123 28 32.19	+ 18.984	+ 0.123			173			5993		2812
2813	85.30	3	92 30 33.39	+ 19.003	+ 0.134				20891	788			2813
2814	89.91	3	107 44 58.06	+ 19.009	+ 0.128	- 0.048	1507	176	20898				2814
2815	87.90	3	94 9 11.96	+ 19.009	+ 0.133				20895	796			2815
2816	86.95	3	110 39 59.54	+ 19.024	+ 0.126				20918				2816
2817	82.63	3	88 23 28.08	+ 19.033	+ 0.134				20919	817		1741	2817
2818	88.94	3	100 31 34.12	+ 19.039	+ 0.129				20928	820			2818
2819	82.86	8	55 11 31.24	+ 19.049	+ 0.145	+ 0.246	1509	181	20921			1743	2819
2820	90.18	3	96 13 54.63	+ 19.052	+ 0.130	+ 0.180			20945	829			2820
2821	91.88	3	106 41 40.90	+ 19.059	+ 0.125				20954				2821
2822	82.58	3	110 2 8.09	+ 19.064	+ 0.124	+ 0.290			20959				2822
2823	85.31	3	91 40 3.87	+ 19.066	+ 0.130				20956	839			2823
2824	80.78	2	124 54 17.83	+ 19.069	+ 0.117						6016		2824
2825	87.62	3	104 51 33.30	+ 19.074	+ 0.125				20967	849			2825
2826	86.25	3	109 32 47.23	+ 19.074	+ 0.124	+ 0.216	1513	183	20969		6021		2826
2827	84.65	3	91 32 40.45	+ 19.075	+ 0.130				20961	844	6019	1744	2827
2828	91.95	3	93 27 19.76	+ 19.083	+ 0.128				20975	853			2828
2829	86.60	3	101 50 56.25	+ 19.084	+ 0.126				20976	855			2829
2830	92.59	3	112 35 41.10	+ 19.092	+ 0.121	+ 0.180			20981				2830
2831	84.62	3	103 10 22.26	+ 19.094	+ 0.125				20978	858			2831
2832	91.94	3	97 47 34.95	+ 19.105	+ 0.126				20988	867			2832
2833	91.98	3	114 13 27.63	+ 19.109	+ 0.120								2833
2834	84.65	3	110 4 43.47	+ 19.120	+ 0.120				21011				2834
2835	83.19	3	88 40 35.85	+ 19.126	+ 0.127	- 0.008	1517	193	21006	876		1748	2835

2808 is 2567 of the Radcliffe Catalogue, 1845.
2804, 2808, 2819, 2826, 2835, are respectively 1059, 1060, 1061, 1062, 1065 of the Radcliffe Catalogue, 1860.
2820, 2822, 2830. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.			Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
								h.	m.	s.				
2836	Crateris	...	...	8	...	91.62	3	10	50	9.934	+ 3.0377	+ 0.0006		2836
2837	Leonis	...	...	8-7	1	91.94	3	10	51	3.233	+ 3.0685	- 0.0015		2837
2838	Hydræ	...	...	7-8	3	88.89	3	10	51	30.578	+ 2.9179	+ 0.0083		2838
2839	Leonis	...	...	7	3	87.26	4	10	51	30.717	+ 3.0744	- 0.0019		2839
2840	Hydræ	...	...	7-8	3	88.89	3	10	52	33.364	+ 2.9203	+ 0.0084		2840
2841	Hydræ	...	...	8	1	92.60	3	10	53	14.193	+ 2.9046	+ 0.0095		2841
2842	Leonis	...	...	7-8	4	86.62	3	10	53	18.536	+ 3.0451	+ 0.0003		2842
2843	Crateris	...	...	7-8	1	82.27	3	10	53	32.418	+ 2.9408	+ 0.0073		2843
2844	Hydræ	...	...	8	2	91.97	3	10	53	44.668	+ 2.9134	+ 0.0090		2844
2845	Crateris	...	...	7-8	1	89.49	3	10	53	47.089	+ 3.0071	+ 0.0030		2845
2846	Crateris	...	...	6-7	1	83.95	3	10	54	4.638	+ 2.9655	+ 0.0059		2846
2847	7 Crateris	...	a	4-5	1	85.68	3	10	54	24.838	+ 2.9520	+ 0.0068	- 0.0343	2847
2848	Leonis	...	...	7	3	86.30	3	10	54	25.628	+ 3.0535	- 0.0002		2848
2849	Crateris	...	...	6-7	2	83.94	3	10	54	43.375	+ 2.9824	+ 0.0049		2849
2850	Crateris	...	...	7-8	2	89.56	3	10	54	50.757	+ 3.0138	+ 0.0027		2850
2851	58 Leonis	...	d	5	4	86.84	34	10	54	52.775	+ 3.1001	- 0.0037	- 0.0018	2851
2852	Crateris	...	R	Var.	3	89.92	3	10	55	8.732	+ 2.9531	+ 0.0069		2852
2853	Crateris	...	...	7	2	89.57	3	10	55	14.815	+ 2.9460	+ 0.0073		2853
2854	Crateris	...	...	7-8	...	91.96	3	10	55	22.281	+ 2.9936	+ 0.0042		2854
2855	Crateris	...	...	7-6	...	84.63	3	10	55	29.383	+ 2.9716	+ 0.0057		2855
2856	61 Leonis	...	p ¹	5-6	2	87.66	3	10	56	12.902	+ 3.0604	- 0.0007	+ 0.0002	2856
2857	50 Ursæ Majoris	...	a	2	1	86.24	5	10	56	56.238	+ 3.7657	- 0.0815	- 0.0180	2857
2858	Crateris	...	...	7	1	89.62	3	10	56	59.865	+ 3.0124	+ 0.0031		2858
2859	Leonis	...	...	7	2	85.60	3	10	57	1.003	+ 3.0540	0.0000		2859
2860	Crateris	...	...	8-7	2	91.57	3	10	57	3.654	+ 2.9346	+ 0.0084		2860
2861	Crateris	...	...	7-8	1	90.23	3	10	57	11.744	+ 3.0357	+ 0.0014		2861
2862	Leonis	...	...	6-7	3	86.56	3	10	57	36.950	+ 3.0715	- 0.0014	0.0000	2862
2863	Crateris	...	...	6-5	...	90.20	3	10	57	44.704	+ 3.0047	+ 0.0037		2863
2864	Hydræ	...	...	7	2	87.30	3	10	57	45.170	+ 2.9054	+ 0.0106		2864
2865	62 Leonis	...	p ²	6	2	82.03	4	10	57	58.806	+ 3.0762	- 0.0017	- 0.0071	2865
2866	Crateris	...	...	7-6	3	84.99	3	10	58	7.196	+ 2.9912	+ 0.0048		2866
2867	Crateris	...	...	7-8	1	91.29	3	10	58	16.736	+ 3.0282	+ 0.0020		2867
2868	Crateris	...	...	8-7	6	87.63	3	10	58	25.016	+ 3.0195	+ 0.0027		2868
2869	Crateris	...	...	7-6	2	90.26	3	10	58	29.684	+ 2.9501	+ 0.0077		2869
2870	Leonis	...	...	7-8	1	89.94	3	10	58	41.720	+ 3.0683	- 0.0011		2870
2871	Leonis	...	...	7-8	...	91.97	3	10	59	7.193	+ 3.0503	+ 0.0004		2871
2872	63 Leonis	...	χ	5	5	86.29	28	10	59	20.572	+ 3.1212	- 0.0055	- 0.0255	2872
2873	Hydræ	...	χ ¹	5-6	1	86.23	3	11	0	1.692	+ 2.8986	+ 0.0116	- 0.0173	2873
2874	Crateris	...	...	6-7	2	85.96	3	11	0	2.688	+ 3.0085	+ 0.0037		2874
2875	Crateris	...	...	8-7	1	90.21	3	11	0	25.404	+ 2.9487	+ 0.0082		2875
2876	Hydræ	...	χ ²	7-6	1	86.23	3	11	0	37.419	+ 2.9003	+ 0.0117	+ 0.0006	2876
2877	Crateris	...	...	8-7	...	91.97	3	11	0	58.255	+ 2.9753	+ 0.0064		2877
2878	Crateris	...	...	7-8	3	85.33	3	11	1	0.448	+ 2.9950	+ 0.0049		2878
2879	Crateris	...	...	7	...	90.23	3	11	1	8.614	+ 2.9451	+ 0.0087		2879
2880	Crateris	...	...	7-6	2	83.28	3	11	1	11.488	+ 2.9979	+ 0.0048		2880

2842. The N. P. D. of this star in Weisse's Bessel is 1° too great.
2849. The magnitude assigned to this star in Lalande is 5½, and in Weisse's Bessel 9.
2851. The N. P. D. of this star in Weisse's Bessel is 1' too small.
2852. Very red star: preceded about 4^s by a fainter star. The variability of this star must be very small.
2856. Reddish star.
2863. The R. A. of this star in Weisse's Bessel is 1^m too small.
2847. Red star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2836	91.62	3	94 57 47.40	+ 19.129	+ 0.125				21018	880			2836
2837	91.94	3	90 34 50.49	+ 19.152	+ 0.124					893			2837
2838	88.89	3	111 26 46.69	+ 19.165	+ 0.117				21049				2838
2839	87.26	4	89 43 24.24	+ 19.165	+ 0.124				21045	903			2839
2840	88.89	3	111 25 58.78	+ 19.191	+ 0.115				21078				2840
2841	92.60	3	113 36 42.27	+ 19.208	+ 0.113								2841
2842	86.62	3	94 5 22.76	+ 19.210	+ 0.119				21093	927			2842
2843	82.27	3	109 0 47.77	+ 19.216	+ 0.114				21100				2843
2844	91.97	3	112 39 51.70	+ 19.221	+ 0.113								2844
2845	89.49	3	99 44 10.53	+ 19.222	+ 0.117					936			2845
2846	83.95	3	105 45 50.30	+ 19.230	+ 0.114				21110			1755	2846
2847	85.68	3	107 42 46.55	+ 19.238	+ 0.113	- 0.157	1525	209	21120		6072	1756	2847
2848	86.30	3	92 52 58.55	+ 19.238	+ 0.117				21116	948			2848
2849	83.94	3	103 29 33.05	+ 19.245	+ 0.114				21126	951		1757	2849
2850	89.56	3	98 54 8.54	+ 19.248	+ 0.115				21130	956			2850
2851	82.26	7	85 47 30.83	+ 19.249	+ 0.118	+ 0.012	1526	210	21125	952	6077	1758	2851
2852	89.92	3	107 44 4.93	+ 19.256	+ 0.112								2852
2853	89.57	3	108 45 14.89	+ 19.258	+ 0.112				21145				2853
2854	91.96	3	101 58 7.06	+ 19.261	+ 0.113				21147	966			2854
2855	84.63	3	105 12 3.38	+ 19.264	+ 0.112				21150	969			2855
2856	87.66	3	91 53 33.09	+ 19.282	+ 0.114	+ 0.010	1530	218	21164	979	6095		2856
2857	82.15	53	27 39 18.70	+ 19.298	+ 0.141	+ 0.071	1528	217	21156			1763	2857
2858	89.62	3	99 24 11.52	+ 19.300	+ 0.111				21189	992			2858
2859	85.60	3	92 55 14.03	+ 19.301	+ 0.113					991			2859
2860	91.57	3	110 49 10.88	+ 19.302	+ 0.108								2860
2861	90.23	3	95 48 6.47	+ 19.305	+ 0.112				21190	994			2861
2862	86.56	3	90 9 24.62	+ 19.315	+ 0.112	+ 0.120		225	21200	1002	6103		2862
2863	90.20	3	100 42 29.39	+ 19.318	+ 0.109				21203	989		1765	2863
2864	87.30	3	114 59 0.60	+ 19.318	+ 0.105						6106		2864
2865	82.03	4	89 24 30.74	+ 19.323	+ 0.112	- 0.017	1533	227	21208	1007		1766	2865
2866	84.99	3	102 50 32.61	+ 19.326	+ 0.108				21215	1013			2866
2867	91.29	3	97 5 36.26	+ 19.330	+ 0.109				21221	1015			2867
2868	87.63	3	98 29 19.53	+ 19.333	+ 0.109				21225	1020			2868
2869	90.26	3	109 3 26.20	+ 19.335	+ 0.106				21228				2869
2870	89.94	3	90 41 6.71	+ 19.340	+ 0.110			232	21229	1027			2870
2871	91.97	3	93 37 30.24	+ 19.350	+ 0.109				21238	1033			2871
2872	82.40	6	82 4 9.44	+ 19.355	+ 0.111	+ 0.022	1535	236	21242	1036	6126	1769	2872
2873	83.60	3	116 41 59.29	+ 19.370	+ 0.101	+ 0.008	1536	237	21260		6139	1772	2873
2874	85.96	3	100 29 34.03	+ 19.371	+ 0.105				21257	1046			2874
2875	90.21	3	109 48 50.40	+ 19.379	+ 0.102				21269				2875
2876	83.60	3	116 41 36.19	+ 19.384	+ 0.100	+ 0.008	1538	240	21278		6147	1774	2876
2877	91.97	3	105 56 9.60	+ 19.391	+ 0.102				21290				2877
2878	85.33	3	102 49 20.11	+ 19.392	+ 0.103				21289				2878
2879	90.23	3	110 34 21.69	+ 19.396	+ 0.101				21298				2879
2880	83.28	3	102 24 22.02	+ 19.396	+ 0.103				21294				2880

2847, 2851, 2857, 2872, are respectively 2605, 2607, 2611, 2619 of the Radcliffe Catalogue, 1845.
 2847, 2851, 2857, 2862, 2872, are respectively 1069, 1071, 1077, 1080, 1083 of the Radcliffe Catalogue, 1860.
 2862. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
2881	Crateris	8-9	1	92.48	3	11	1	28.608	+ 2.9294	+ 0.0099		2881
2882	Hydræ	8-9	2	92.27	3	11	1	34.983	+ 2.9255	+ 0.0101		2882
2883	Crateris	8-7	3	85.65	3	11	1	37.917	+ 3.0164	+ 0.0033		2883
2884	Crateris	8-7	4	89.67	5	11	1	54.196	+ 2.9841	+ 0.0059	- 0.0190	2884
2885	Crateris	9-8	3	91.97	3	11	1	57.886	+ 2.9688	+ 0.0071		2885
2886	Leonis	7-6	2	84.31	3	11	2	39.773	+ 3.0649	- 0.0005		2886
2887	Crateris	7	1	83.28	3	11	3	30.781	+ 2.9613	+ 0.0080		2887
2888	66 Leonis p^4	7	4	83.59	3	11	3	36.720	+ 3.0683	- 0.0008	- 0.0030	2888
2889	Crateris	7-8	2	85.32	3	11	3	48.068	+ 3.0089	+ 0.0043		2889
2890	Hydræ	6-5	1	88.86	3	11	4	36.097	+ 2.8743	+ 0.0146		2890
2891	Crateris	7-6	2	85.26	3	11	4	41.151	+ 3.0345	+ 0.0022	- 0.0180	2891
2892	Leonis	9-8	3	91.96	3	11	4	59.830	+ 3.0543	+ 0.0006		2892
2893	Leonis	8-7	4	86.28	3	11	5	41.257	+ 3.0457	+ 0.0014		2893
2894	Leonis	8-9	1	91.57	3	11	5	47.388	+ 3.0624	- 0.0002		2894
2895	11 Crateris β	5-4	2	86.32	3	11	6	14.808	+ 2.9455	+ 0.0099	- 0.0018	2895
2896	Leonis	9-8	2	92.17	3	11	6	17.160	+ 3.0547	+ 0.0006		2896
2897	Crateris	8	1	89.63	3	11	6	27.676	+ 2.9626	+ 0.0085		2897
2898	Crateris	8-7	...	91.90	3	11	6	39.617	+ 3.0243	+ 0.0034		2898
2899	Crateris	8	5	85.67	3	11	6	53.348	+ 3.0209	+ 0.0037		2899
2900	Crateris	6-7	1	83.62	3	11	7	2.936	+ 2.9736	+ 0.0078		2900
2901	Crateris	7	2	89.18	3	11	7	9.058	+ 2.9543	+ 0.0094		2901
2902	Crateris	7	3	87.22	3	11	7	19.335	+ 3.0003	+ 0.0056		2902
2903	Crateris	7-8	1	89.28	3	11	7	25.821	+ 3.0069	+ 0.0050		2903
2904	Leonis	7	2	87.12	3	11	8	14.250	+ 3.0875	- 0.0024		2904
2905	68 Leonis δ	2-3*	...	86.71	33	11	8	15.527	+ 3.1881	- 0.0132	+ 0.0102	2905
2906	Crateris	7	1	83.97	3	11	8	16.456	+ 2.9492	+ 0.0101		2906
2907	Crateris	7	2	85.31	3	11	8	39.025	+ 3.0322	+ 0.0029		2907
2908	Crateris	7	1	91.98	3	11	8	41.844	+ 2.9858	+ 0.0071		2908
2909	Leonis	7	2	82.58	3	11	8	59.816	+ 3.0690	- 0.0006		2909
2910	Crateris	7-6	3	84.62	3	11	9	50.532	+ 2.9724	+ 0.0085		2910
2911	Crateris	7-6	3	89.53	3	11	10	8.205	+ 3.0112	+ 0.0051		2911
2912	Crateris	7-6	2	82.23	3	11	10	17.656	+ 2.9544	+ 0.0102		2912
2913	Crateris	7-8	1	91.66	3	11	10	23.138	+ 3.0218	+ 0.0042		2913
2914	Crateris	8-7	...	91.61	3	11	10	29.070	+ 3.0307	+ 0.0033		2914
2915	Leonis	7-8	2	84.29	3	11	10	35.073	+ 3.0581	+ 0.0007		2915
2916	Leonis	6-7	1	88.30	3	11	11	0.069	+ 3.0558	+ 0.0009		2916
2917	74 Leonis ϕ	5-4	2	85.34	3	11	11	4.132	+ 3.0574	+ 0.0007	- 0.0083	2917
2918	Leonis	8-9	...	90.20	3	11	11	8.404	+ 3.0560	+ 0.0009		2918
2919	Crateris	8-7	1	89.95	3	11	11	18.095	+ 3.0027	+ 0.0062		2919
2920	Crateris	6-7	2	85.00	3	11	11	23.642	+ 3.0403	+ 0.0025		2920
2921	Crateris	8-9	1	92.22	3	11	12	39.043	+ 2.9888	+ 0.0077		2921
2922	Leonis	7-8	2	85.61	3	11	12	40.467	+ 3.0511	+ 0.0015	+ 0.0510	2922
2923	Crateris	7-8	2	86.59	3	11	12	49.600	+ 3.0472	+ 0.0020		2923
2924	Leonis	8-9	1	92.61	3	11	12	52.482	+ 3.1266	- 0.0067		2924
2925	Leonis	8	1	92.61	3	11	13	7.900	+ 3.1262	- 0.0067		2925

2890. A star of the 9 magnitude precedes 10^s, and is about 2' north.

2911. Yellowish-red star.

2920. A star of the 9 magnitude follows 4^s, and is south.

2904. Lalande's N.P.D. is 1' too great.

2914. The R.A. of this star in Weisse's Bessel is 10^s too great.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2881	92°48	3	112 57 39'40	+19'403	+0'100								2881
2882	92°27	3	113 33 21'70	+19'405	+0'099								2882
2883	85°65	3	99 27 43'78	+19'406	+0'103				21306	1080			2883
2884	89°67	5	104 46 11'49	+19'412	+0'101	-0'170			21315	1088			2884
2885	91°97	3	107 12 20'57	+19'413	+0'100								2885
2886	84°31	3	91 18 27'01	+19'429	+0'102			250	21324	1099	6171		2886
2887	83°28	3	108 49 12'91	+19'447	+0'097				21348				2887
2888	83°59	3	90 44 12'98	+19'449	+0'101	-0'017	1543	255	21346	7	6183		2888
2889	85°32	3	101 4 53'77	+19'453	+0'098				21354				2889
2890	85°60	3	121 46 12'63	+19'470	+0'092			2			6189	1782	2890
2891	85°26	3	96 47 14'20	+19'472	+0'097	+0'160			21373				2891
2892	91°96	3	93 16 40'15	+19'478	+0'098					31			2892
2893	86°28	3	94 52 20'77	+19'493	+0'096				21403				2893
2894	91°57	3	91 51 11'65	+19'495	+0'096				21404	45			2894
2895	86°32	3	112 13 30'04	+19'504	+0'091	+0'088	1545	6	21426		6205	1784	2895
2896	92°17	3	93 16 25'42	+19'505	+0'095					53			2896
2897	89°63	3	109 33 2'83	+19'508	+0'092				21431				2897
2898	91°90	3	98 53 12'57	+19'512	+0'093				21435				2898
2899	85°67	3	99 32 49'08	+19'517	+0'093				21439	62			2899
2900	83°62	3	107 54 3'44	+19'520	+0'091				21445			1786	2900
2901	89°18	3	111 9 4'41	+19'522	+0'090				21449				2901
2902	87°22	3	103 20 2'32	+19'525	+0'091				21450	72			2902
2903	89°28	3	102 11 9'02	+19'528	+0'091								2903
2904	87°12	3	87 7 53'81	+19'544	+0'092				21467	83		1790	2904
2905	81°33	53	68 52 24'54	+19'544	+0'096	+0'115	1546	10	21461		6228	1791	2905
2906	83°97	3	112 24 0'65	+19'544	+0'088				21477				2906
2907	85°31	3	97 43 43'43	+19'551	+0'090				21486	95			2907
2908	91°98	3	106 17 19'07	+19'553	+0'088			16					2908
2909	82°58	3	90 40 14'57	+19'559	+0'090				21492	103			2909
2910	84°62	3	109 2 18'22	+19'575	+0'086				21511				2910
2911	89°53	3	101 59 33'21	+19'580	+0'086				21519				2911
2912	82°23	3	112 19 2'58	+19'580	+0'084				21524				2912
2913	91°66	3	100 0 57'85	+19'585	+0'086					129			2913
2914	91°61	3	98 17 59'25	+19'587	+0'086					134			2914
2915	84°29	3	92 52 21'82	+19'589	+0'087				21525	133			2915
2916	88°30	3	93 21 58'74	+19'597	+0'086				21530	139			2916
2917	85°34	3	93 3 0'32	+19'598	+0'086	+0'024	1551	23	21532	141		1795	2917
2918	90°20	3	93 20 32'48	+19'599	+0'086					144			2918
2919	89°95	3	103 54 27'66	+19'602	+0'084				21539	146			2919
2920	85°00	3	96 32 3'98	+19'604	+0'085				21540	148		1796	2920
2921	92°22	3	106 58 31'03	+19'627	+0'081								2921
2922	85°61	3	94 27 41'33	+19'627	+0'083	+0'140		32	21565		6285		2922
2923	86°59	3	95 17 41'59	+19'630	+0'082					173			2923
2924	92°61	3	78 47 56'33	+19'630	+0'085				21568	172			2924
2925	92°61	3	78 48 6'29	+19'635	+0'084				21570	175			2925

2905, 2917, are respectively 2640, 2655 of the Radcliffe Catalogue, 1845.

2895, 2905, 2917, 2922, are respectively 1085, 1088, 1091, 1096 of the Radcliffe Catalogue, 1860.

2884, 2891, 2922. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R. A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
2926	Hydræ	7-6	3	86.99	3	11 13 11.058	+ 2.9532	+ 0.0112		2926
2927	Crateris	7-8	3	82.25	4	11 13 21.361	+ 3.0192	+ 0.0049		2927
2928	Crateris	8	...	91.98	3	11 13 41.066	+ 2.9768	+ 0.0091		2928
2929	Leonis	7-8	1	89.90	3	11 13 46.788	+ 3.0676	- 0.0002	- 0.0180	2929
2930	12 Crateris δ	4-3	6	87.13	65	11 13 50.404	+ 3.0049	+ 0.0064	- 0.0106	2930
2931	Crateris	8	1	92.30	3	11 13 59.112	+ 2.9710	+ 0.0098		2931
2932	Crateris	8-7	2	81.84	2	11 14 8.358	+ 3.0201	+ 0.0050		2932
2933	Crateris	8-7	...	92.01	3	11 14 41.466	+ 3.0105	+ 0.0061		2933
2934	Crateris	7	2	90.25	3	11 14 58.614	+ 3.0279	+ 0.0042		2934
2935	Leonis	8	...	91.68	3	11 15 40.423	+ 3.0556	+ 0.0013		2935
2936	Crateris	7-8	2	89.52	3	11 16 18.436	+ 2.9727	+ 0.0103		2936
2937	Hydræ	8	1	92.59	3	11 16 50.055	+ 2.9579	+ 0.0119		2937
2938	Crateris	7	3	86.46	6	11 16 54.820	+ 3.0363	+ 0.0037		2938
2939	Crateris	8	2	89.32	3	11 17 8.310	+ 2.9663	+ 0.0112		2939
2940	Crateris	8	2	91.84	3	11 17 12.033	+ 3.0034	+ 0.0073		2940
2941	Crateris	7-8	4	88.29	4	11 17 51.536	+ 2.9682	+ 0.0112		2941
2942	13 Crateris λ	6	2	82.31	3	11 17 54.556	+ 2.9924	+ 0.0087	- 0.0226	2942
2943	Leonis	8-9	1	92.26	3	11 17 57.635	+ 3.0611	+ 0.0010		2943
2944	Crateris	8-7	3	85.31	3	11 18 1.203	+ 2.9980	+ 0.0082		2944
2945	Crateris	7-8	4	86.61	3	11 18 12.773	+ 3.0305	+ 0.0045		2945
2946	Crateris	8-9	2	92.00	3	11 18 16.506	+ 3.0447	+ 0.0029		2946
2947	79 Leonis	6*	...	85.03	3	11 18 23.696	+ 3.0810	- 0.0014	- 0.0034	2947
2948	Leonis	7	2	85.27	3	11 18 46.755	+ 3.0503	+ 0.0023		2948
2949	14 Crateris ε	5-6	2	82.93	3	11 19 3.280	+ 3.0295	+ 0.0048	- 0.0041	2949
2950	Crateris	7-8	1	89.58	3	11 19 19.441	+ 2.9760	+ 0.0109		2950
2951	Leonis	7-6	2	84.34	3	11 19 21.429	+ 3.0659	+ 0.0004		2951
2952	15 Crateris γ	4-5	2	86.63	3	11 19 23.076	+ 3.0001	+ 0.0082	- 0.0092	2952
2953	Ursæ Majoris	6*	...	87.01	5	11 19 44.725	+ 3.4248	- 0.0550		2953
2954	Crateris	8-9	4	81.78	4	11 19 45.229	+ 3.0256	+ 0.0054		2954
2955	Crateris	7-8	1	89.58	3	11 20 10.544	+ 3.0152	+ 0.0068		2955
2956	Crateris	7-6	3	83.25	3	11 20 21.765	+ 3.0188	+ 0.0064		2956
2957	Crateris	7	2	85.34	3	11 20 32.999	+ 2.9893	+ 0.0098		2957
2958	Crateris	7-8	3	87.31	3	11 20 42.630	+ 3.0353	+ 0.0044		2958
2959	Crateris	7-6	...	90.21	3	11 21 5.024	+ 2.9869	+ 0.0102		2959
2960	83 Leonis	7-8	...	87.97	4	11 21 11.230	+ 3.0867	- 0.0022	- 0.0514	2960
2961	Crateris	7-8	3	89.88	3	11 21 31.983	+ 2.9974	+ 0.0092		2961
2962	16 Crateris κ	6-7	2	84.35	4	11 21 37.074	+ 3.0261	+ 0.0057	- 0.0091	2962
2963	Crateris	8	1	92.28	3	11 21 42.224	+ 3.0402	+ 0.0039		2963
2964	Leonis	7-6	2	85.66	3	11 22 16.493	+ 3.0683	+ 0.0004		2964
2965	84 Leonis τ	5-4	3	85.11	30	11 22 16.824	+ 3.0858	- 0.0020	- 0.0010	2965
2966	Leonis	8	1	81.35	2	11 22 17.755	+ 3.0856	- 0.0020		2966
2967	Leonis	7	3	83.27	3	11 22 25.774	+ 3.0714	- 0.0001		2967
2968	Crateris	8-9	2	91.95	3	11 22 34.796	+ 3.0470	+ 0.0032		2968
2969	Hydræ	7-6	...	84.30	2	11 22 35.817	+ 2.9220	+ 0.0182		2969
2970	Crateris	7-8	1	90.25	3	11 22 41.394	+ 3.0133	+ 0.0076		2970

2929. A star of the 8 magnitude precedes by less than 1^s, and is slightly south.

2962. A star of the 7-8 magnitude, Piazzì XI, 73, follows about 20^s, and is about 5' south.

2930. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2926	86.99	3	113 44 32.97	+ 19.636	+ 0.079				21580		6294		2926
2927	82.25	4	101 9 57.89	+ 19.639	+ 0.081					185			2927
2928	91.98	3	109 37 26.04	+ 19.645	+ 0.079								2928
2929	89.90	3	91 2 54.36	+ 19.647	+ 0.081	+ 0.130			21586	193			2929
2930	83.62	15	104 10 59.88	+ 19.648	+ 0.079	- 0.209	1557	38	21589	198	6298	1804	2930
2931	92.30	3	110 49 52.39	+ 19.650	+ 0.078				21599				2931
2932	81.84	2	101 9 45.85	+ 19.653	+ 0.079					204			2932
2933	92.01	3	103 16 57.74	+ 19.663	+ 0.078				21613	213			2933
2934	90.25	3	99 41 32.63	+ 19.667	+ 0.078				21618	215			2934
2935	91.68	3	93 45 49.72	+ 19.679	+ 0.077				21638				2935
2936	89.52	3	111 30 9.25	+ 19.690	+ 0.074								2936
2937	92.59	3	114 35 33.00	+ 19.698	+ 0.072								2937
2938	85.04	4	98 14 22.33	+ 19.700	+ 0.074				21665	250			2938
2939	89.32	3	113 7 37.21	+ 19.704	+ 0.072								2939
2940	91.84	3	105 33 45.75	+ 19.704	+ 0.073				21674	256			2940
2941	88.29	4	113 6 13.08	+ 19.715	+ 0.071				21690				2941
2942	82.31	3	108 10 32.64	+ 19.716	+ 0.071	+ 0.022	1561	53	21691		6335		2942
2943	92.26	3	92 40 59.85	+ 19.717	+ 0.073								2943
2944	85.31	3	107 1 1.95	+ 19.718	+ 0.071				21695				2944
2945	86.61	3	99 49 9.04	+ 19.721	+ 0.072				21697				2945
2946	92.00	3	96 32 36.81	+ 19.722	+ 0.072				21698	271			2946
2947	85.03	3	87 59 17.22	+ 19.723	+ 0.073	- 0.008	1562	56	21700	273		1812	2947
2948	85.27	3	95 18 10.04	+ 19.730	+ 0.071				21714	282			2948
2949	82.93	3	100 15 21.07	+ 19.734	+ 0.070	- 0.050	1563	58	21718	285	6344	1813	2949
2950	89.58	3	112 13 42.68	+ 19.738	+ 0.068				21731				2950
2951	84.34	3	91 36 24.67	+ 19.739	+ 0.070				21727	290			2951
2952	86.63	3	107 4 46.81	+ 19.739	+ 0.069	- 0.032	1564	62	21733		6347		2952
2953	85.38	6	33 32 48.45	+ 19.745	+ 0.079			59				1815	2953
2954	81.78	4	101 21 18.58	+ 19.745	+ 0.069					300			2954
2955	89.58	3	103 55 59.20	+ 19.751	+ 0.068				21754	313			2955
2956	83.25	3	103 8 47.20	+ 19.754	+ 0.067				21764	318			2956
2957	85.34	3	109 58 35.70	+ 19.757	+ 0.066				21768				2957
2958	87.31	3	99 16 25.25	+ 19.759	+ 0.067				21771	324			2958
2959	90.21	3	110 45 5.27	+ 19.765	+ 0.065				21780				2959
2960	86.52	3	86 23 14.73	+ 19.767	+ 0.067	- 0.181	1568	70	21781	330		1817	2960
2961	89.88	3	108 35 38.84	+ 19.771	+ 0.065				21794				2961
2962	84.35	4	101 45 8.58	+ 19.772	+ 0.065	- 0.034	1569	72	21796	336	6359		2962
2963	92.28	3	98 15 49.35	+ 19.774	+ 0.065				21801	339			2963
2964	85.66	3	91 5 39.50	+ 19.782	+ 0.065			77	21821	350	6366		2964
2965	81.55	11	86 32 16.04	+ 19.782	+ 0.065	+ 0.006	1570	76	21817	348	6367	1819	2965
2966	81.67	3	86 33 48.27	+ 19.782	+ 0.065				21819	349		1820	2966
2967	83.27	3	90 17 29.35	+ 19.784	+ 0.065			78	21828	358			2967
2968	91.95	3	96 41 31.85	+ 19.786	+ 0.064				21831	360			2968
2969	84.30	2	124 43 24.98	+ 19.787	+ 0.061						6369		2969
2970	90.25	3	105 16 50.90	+ 19.788	+ 0.063				21835	364			2970

2930, 2949, 2953, 2965, are respectively 2663, 2677, 2679, 2686 of the Radcliffe Catalogue, 1845.
2930, 2942, 2949, 2960, 2965, are respectively 1097, 1101, 1103, 1105, 1108 of the Radcliffe Catalogue, 1860.
2929. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
2971	Crateris	7	1	88.27	3	11 22 54.857	+ 2.9801	+ 0.0118		2971
2972	Crateris	8-7	...	92.20	3	11 23 19.668	+ 2.9874	+ 0.0110		2972
2973	Crateris	8-9	2	92.29	3	11 23 23.781	+ 3.0333	+ 0.0052		2973
2974	Leonis	7-8	3	87.26	3	11 23 37.769	+ 3.0583	+ 0.0019		2974
2975	Leonis	7	2	85.66	3	11 23 46.808	+ 3.0716	0.0000		2975
2976	Crateris	7-8	1	89.26	3	11 24 3.598	+ 3.0377	+ 0.0047		2976
2977	Crateris	6	2	84.33	3	11 24 10.324	+ 2.9804	+ 0.0122		2977
2978	Hydræ	7-6	1	87.31	2	11 24 10.581	+ 2.9645	+ 0.0141		2978
2979	Crateris	7-8	2	89.57	3	11 24 28.393	+ 3.0083	+ 0.0087		2979
2980	87 Leonis e	5	3	84.97	6	11 24 41.652	+ 3.0639	+ 0.0011	- 0.0005	2980
2981	1 Draconis λ	3-4*	...	82.77	4	11 24 51.969	+ 3.6315	- 0.1106	- 0.0085	2981
2982	Crateris	7	3	81.35	3	11 25 5.110	+ 3.0277	+ 0.0063		2982
2983	Leonis	7-8	4	85.32	3	11 25 14.938	+ 3.0509	+ 0.0030		2983
2984	Crateris	8	2	91.60	3	11 25 26.073	+ 3.0010	+ 0.0100		2984
2985	Crateris	7-6	2	83.28	3	11 26 18.034	+ 3.0005	+ 0.0104		2985
2986	Leonis	7-6	2	84.32	3	11 26 20.838	+ 3.0524	+ 0.0030		2986
2987	Leonis	8-7	...	88.94	3	11 26 22.712	+ 3.0685	+ 0.0006		2987
2988	Crateris	7-8	3	89.25	3	11 26 42.039	+ 3.0321	+ 0.0061		2988
2989	Leonis	8-7	2	85.32	3	11 26 47.812	+ 3.0556	+ 0.0026		2989
2990	Hydræ	5-6	...	89.62	3	11 26 48.663	+ 2.9671	+ 0.0151	+ 0.0020	2990
2991	Hydræ	5-6	...	89.62	3	11 26 49.080	+ 2.9671	+ 0.0151	+ 0.0020	2991
2992	Crateris	9-8	1	91.97	3	11 27 7.652	+ 3.0094	+ 0.0095		2992
2993	Crateris	6-7	2	82.24	3	11 27 12.088	+ 3.0481	+ 0.0037		2993
2994	Crateris	7-8	3	87.32	3	11 27 28.406	+ 2.9929	+ 0.0119		2994
2995	Hydræ ξ	4*	...	87.33	4	11 27 35.363	+ 2.9582	+ 0.0167	- 0.0166	2995
2996	Crateris	6-7	1	87.13	5	11 27 41.951	+ 3.0198	+ 0.0080		2996
2997	Crateris	8-9	...	90.00	3	11 27 50.625	+ 2.9949	+ 0.0118		2997
2998	Crateris	7	2	90.17	3	11 28 30.784	+ 3.0219	+ 0.0080		2998
2999	Leonis	7	1	85.24	3	11 28 45.698	+ 3.0569	+ 0.0026		2999
3000	Crateris	8-9	1	91.94	3	11 28 54.261	+ 3.0301	+ 0.0069		3000
3001	Crateris	7	3	85.29	3	11 29 20.955	+ 3.0363	+ 0.0060		3001
3002	Leonis	7-6	2	84.33	3	11 29 22.459	+ 3.0608	+ 0.0021		3002
3003	2 Draconis	5-6	...	87.67	4	11 29 35.601	+ 3.5568	- 0.1066	+ 0.0191	3003
3004	Crateris	7	2	89.86	3	11 29 58.829	+ 3.0360	+ 0.0062		3004
3005	Crateris	7	2	87.97	3	11 30 56.798	+ 3.0233	+ 0.0086		3005
3006	Crateris	7	...	89.94	3	11 31 5.383	+ 3.0467	+ 0.0047		3006
3007	21 Crateris θ	4-5*	...	84.35	3	11 31 6.012	+ 3.0453	+ 0.0050	- 0.0058	3007
3008	Hydræ	6-7	...	84.98	3	11 31 7.369	+ 2.9635	+ 0.0181	+ 0.0140	3008
3009	Crateris	7	...	90.96	3	11 31 15.435	+ 2.9986	+ 0.0127		3009
3010	91 Leonis v	4-5	4	85.53	49	11 31 18.986	+ 3.0719	+ 0.0004	- 0.0018	3010
3011	Crateris	6-7	3	85.67	3	11 31 29.013	+ 3.0043	+ 0.0119		3011
3012	Crateris	7	...	89.95	3	11 32 32.488	+ 3.0218	+ 0.0094		3012
3013	Leonis	6-7	2	81.78	4	11 32 46.896	+ 3.0674	+ 0.0013		3013
3014	1 Virginis ω	6*	...	89.86	3	11 32 47.342	+ 3.0969	- 0.0043	- 0.0020	3014
3015	Crateris	8	1	92.28	3	11 32 51.977	+ 3.0437	+ 0.0056		3015

2982. The N. P. D. of this star in Weisse's Bessel is about 1' too great.
 2990, 2991. Bradley 1578 gives the position of the common mass of these stars.
 3010. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
2971	88°27	3	113 13 12.45	+19.791	+0.062				21839				2971
2972	92°20	3	111 47 20.87	+19.797	+0.061								2972
2973	92°29	3	100 26 2.58	+19.798	+0.062					373			2973
2974	87°26	3	93 50 34.73	+19.801	+0.062					377			2974
2975	85°66	3	90 14 35.79	+19.803	+0.062			82	21852	382	6382		2975
2976	89°26	3	99 27 21.28	+19.807	+0.061				21866	388			2976
2977	84°33	3	113 51 29.91	+19.808	+0.059						6388	1824	2977
2978	91°34	2	117 25 28.52	+19.809	+0.059						6389		2978
2979	89°57	3	107 16 43.91	+19.813	+0.059				21875				2979
2980	84°10	5	92 23 48.22	+19.816	+0.060	0.000	1576	89	21878	394	6394	1826	2980
2981	82°14	32	20 3 42.45	+19.818	+0.072	+0.027	1572	86				1828	2981
2982	81°35	3	102 26 30.40	+19.821	+0.059				21885	400			2982
2983	85°32	3	96 6 43.67	+19.823	+0.059			91	21888	403			2983
2984	91°60	3	109 35 31.87	+19.825	+0.057								2984
2985	83°28	3	110 10 13.81	+19.837	+0.056				21906				2985
2986	84°32	3	95 51 38.96	+19.837	+0.057			94	21904	416	6408		2986
2987	88°94	3	91 10 32.03	+19.838	+0.057				21909	417			2987
2988	88°77	4	101 47 22.31	+19.842	+0.056				21916	425			2988
2989	85°32	3	95 1 4.88	+19.843	+0.056				21918	426			2989
2990	81°70	7	118 39 37.58	+19.843	+0.054	-0.180	1578	95			6413	1832	2990
2991	81°70	7	118 39 29.11	+19.843	+0.054	-0.180	1578	96			6414	1833	2991
2992	91°97	3	108 15 47.23	+19.847	+0.054				21930				2992
2993	82°24	3	97 13 12.20	+19.848	+0.055			98	21932		6418		2993
2994	87°32	3	112 50 10.34	+19.851	+0.053				21940				2994
2995	90°68	3	121 14 56.85	+19.853	+0.052	+0.025	1580	103			6425	1834	2995
2996	87°66	3	105 40 18.44	+19.854	+0.053				21944			1835	2996
2997	90°00	3	112 31 47.35	+19.856	+0.053								2997
2998	90°17	3	105 26 16.44	+19.864	+0.052				21960	456			2998
2999	85°24	3	94 55 11.12	+19.867	+0.052			108	21968	462			2999
3000	91°94	3	103 11 55.91	+19.869	+0.051				21972				3000
3001	85°29	3	101 28 49.12	+19.874	+0.051				21982	475			3001
3002	84°33	3	93 45 7.27	+19.874	+0.051				21981	474			3002
3003	87°55	4	20 3 54.76	+19.877	+0.060	+0.127	1581	107				1838	3003
3004	89°86	3	101 47 55.90	+19.882	+0.049				21990	487			3004
3005	87°97	3	106 14 20.66	+19.892	+0.047				22011				3005
3006	89°94	3	98 42 14.77	+19.894	+0.047					507			3006
3007	84°35	3	99 11 37.46	+19.894	+0.047	-0.032	1585	114	22012	508	6454	1841	3007
3008	85°31	2	122 57 37.70	+19.894	+0.046	-0.065	1587	115			6455		3008
3009	90°96	3	113 49 46.40	+19.896	+0.046				22024		6459		3009
3010	82°06	18	90 12 58.46	+19.896	+0.047	-0.047	1586	116	22022	511	6462	1842	3010
3011	85°67	3	112 20 27.43	+19.898	+0.046			118			6465		3011
3012	89°95	3	107 35 0.65	+19.909	+0.044				22060				3012
3013	81°78	4	91 49 38.27	+19.912	+0.044			126	22068	540	6480		3013
3014	89°86	3	81 15 23.89	+19.912	+0.045	+0.001	1590	125	22066	538		1844	3014
3015	92°28	3	100 19 18.23	+19.913	+0.044					541			3015

2980, 2981, 3003, 3010, are respectively 2702, 2701, 2712, 2718 of the Radcliffe Catalogue, 1845.

2980, 2986, 2990, 2991, 3003, 3010, are respectively 1110, 1114, 1115, 1116, 1118, 1119 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
3016	24 Crateris	6-5	2	83.62	3	11	33	4.831	+ 3.0375	+ 0.0069	+ 0.0044	3016
3017	Crateris	8	...	92.30	3	11	33	11.143	+ 3.0323	+ 0.0078		3017
3018	Crateris	8-7	...	92.01	3	11	33	13.611	+ 3.0534	+ 0.0040		3018
3019	Crateris	8	1	92.26	3	11	33	22.155	+ 3.0143	+ 0.0111		3019
3020	Crateris	7	1	83.71	4	11	33	28.917	+ 3.0035	+ 0.0131	+ 0.0020	3020
3021	Crateris	8-7	3	88.33	3	11	33	32.030	+ 3.0283	+ 0.0087		3021
3022	Crateris	7-6	3	85.31	3	11	33	54.820	+ 3.0386	+ 0.0069	+ 0.0030	3022
3023	Crateris	7-8	3	86.33	3	11	34	4.020	+ 3.0490	+ 0.0050		3023
3024	Crateris	6	4	86.06	4	11	34	16.607	+ 3.0295	+ 0.0087		3024
3025	Crateris	6-7	4	82.76	4	11	34	17.009	+ 3.0356	+ 0.0076		3025
3026	Hydræ	5-6	...	81.57	3	11	34	44.873	+ 2.9728	+ 0.0193	- 0.0045	3026
3027	Crateris	7-8	2	88.31	3	11	35	0.649	+ 3.0526	+ 0.0045		3027
3028	92 Leonis	5*	...	89.29	3	11	35	3.925	+ 3.1310	- 0.0119	- 0.0049	3028
3029	Virginis	8-7	1	91.61	3	11	35	14.809	+ 3.0609	+ 0.0029		3029
3030	Virginis	7-8	1	88.62	3	11	35	17.848	+ 3.0723	+ 0.0005		3030
3031	Crateris	7-8	3	86.96	3	11	35	35.579	+ 3.0288	+ 0.0093		3031
3032	Crateris	7	5	85.96	3	11	36	10.218	+ 3.0518	+ 0.0049		3032
3033	Hydræ	6-5	1	86.23	3	11	36	14.197	+ 2.9864	+ 0.0180	- 0.0060	3033
3034	Crateris	8	1	92.29	3	11	36	16.597	+ 3.0166	+ 0.0121		3034
3035	3 Draconis	5-6*	...	89.68	3	11	36	19.911	+ 3.4028	- 0.0862	- 0.0063	3035
3036	Crateris	8-9	...	92.03	3	11	36	23.935	+ 3.0256	+ 0.0104		3036
3037	Crateris	7	2	88.56	3	11	36	25.824	+ 3.0120	+ 0.0131		3037
3038	Crateris	6-7	1	89.94	3	11	36	30.255	+ 3.0235	+ 0.0109		3038
3039	Crateris	8-9	4	81.35	4	11	36	44.901	+ 3.0422	+ 0.0071		3039
3040	Virginis	7-8	...	91.33	3	11	37	13.108	+ 3.0657	+ 0.0021		3040
3041	Crateris	7-8	7	86.53	4	11	37	21.749	+ 3.0528	+ 0.0050		3041
3042	Crateris	7-6	2	83.29	3	11	37	56.238	+ 3.0394	+ 0.0082		3042
3043	Virginis	6-7	2	82.64	3	11	38	17.943	+ 3.0591	+ 0.0038		3043
3044	Crateris	7	5	85.30	3	11	38	18.761	+ 3.0536	+ 0.0051		3044
3045	Crateris	8	...	92.31	3	11	38	21.734	+ 3.0502	+ 0.0058		3045
3046	Hydræ	7	...	88.77	4	11	38	27.487	+ 3.0026	+ 0.0165		3046
3047	Crateris	7	2	83.31	3	11	38	50.483	+ 3.0274	+ 0.0112		3047
3048	Crateris	9	8	85.81	2	11	38	54.051	+ 3.0373	+ 0.0090		3048
3049	Virginis	8-9	1	92.30	3	11	38	58.165	+ 3.0708	+ 0.0011		3049
3050	27 Crateris	5-6	1	82.30	3	11	39	11.249	+ 3.0337	+ 0.0100	+ 0.0010	3050
3051	Crateris	8-7	1	92.25	3	11	39	54.341	+ 3.0279	+ 0.0118		3051
3052	3 Virginis	4-5*	...	89.20	3	11	40	12.378	+ 3.0870	- 0.0030	- 0.0026	3052
3053	Crateris	8	1	92.01	3	11	40	39.011	+ 3.0497	+ 0.0068		3053
3054	Crateris	7-8	2	87.97	3	11	40	55.938	+ 3.0233	+ 0.0136		3054
3055	Crateris	8	1	92.61	3	11	41	8.849	+ 3.0350	+ 0.0107		3055
3056	Virginis	8	...	92.01	3	11	41	32.587	+ 3.0639	+ 0.0033		3056
3057	Crateris	7-6	3	87.92	3	11	41	47.557	+ 3.0385	+ 0.0102		3057
3058	93 Leonis	4-5*	...	89.26	3	11	42	18.690	+ 3.1117	- 0.0107	- 0.0123	3058
3059	Crateris	8-7	8	85.29	3	11	42	33.771	+ 3.0435	+ 0.0092		3059
3060	Crateris	7-8	...	91.98	3	11	42	40.717	+ 3.0578	+ 0.0052		3060

3023. The N.P.D. of this star in Weisse's Bessel is about 45" too small.

3024. Reddish star. Lalande's N.P.D. is 1' too great.

3033. Red star. A star of the 9 magnitude follows 4^s, and is north.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3016	83° 62	3	102 35 46.18	+ 19.915	+ 0.043	— 0.128	1591	128	22077	545	6487		3016
3017	92° 30	3	104 27 28.27	+ 19.916	+ 0.043					546			3017
3018	92° 01	3	96 59 26.84	+ 19.916	+ 0.043				22078	547			3018
3019	92° 26	3	110 33 52.30	+ 19.918	+ 0.042				22081				3019
3020	83° 71	4	114 6 15.54	+ 19.919	+ 0.042	+ 0.240			22083		6494		3020
3021	83° 33	3	106 0 13.10	+ 19.920	+ 0.042				22085				3021
3022	85° 31	3	102 34 13.55	+ 19.923	+ 0.042	+ 0.140		130	22093	559	6497		3022
3023	86° 33	3	98 51 23.11	+ 19.925	+ 0.042				22098	561			3023
3024	86° 06	4	106 0 38.56	+ 19.927	+ 0.041				22104				3024
3025	82° 76	4	103 51 31.00	+ 19.927	+ 0.041				22102	563		1849	3025
3026	80° 23	3	124 8 7.57	+ 19.931	+ 0.039	— 0.080	1594	133			6510		3026
3027	88° 31	3	97 47 43.85	+ 19.934	+ 0.040				22115				3027
3028	82° 38	8	68 2 10.66	+ 19.934	+ 0.041	+ 0.049	1592	134	22111			1850	3028
3029	91° 61	3	94 35 17.12	+ 19.936	+ 0.040				22120	580			3029
3030	88° 62	3	90 3 50.20	+ 19.937	+ 0.040					583			3030
3031	86° 96	3	107 5 38.94	+ 19.939	+ 0.038				22128				3031
3032	85° 96	3	98 28 4.14	+ 19.945	+ 0.038				22143	598			3032
3033	84° 75	4	121 53 19.57	+ 19.945	+ 0.037	0.000	1597	141			6529	1851	3033
3034	92° 29	3	112 2 34.21	+ 19.946	+ 0.037			142	22147				3034
3035	83° 62	3	22 38 46.52	+ 19.946	+ 0.043	— 0.033	1595	139	22134			1852	3035
3036	92° 03	3	108 50 2.52	+ 19.947	+ 0.037								3036
3037	88° 56	3	113 46 30.17	+ 19.947	+ 0.037				22150		6531		3037
3038	89° 94	3	109 40 56.90	+ 19.948	+ 0.037			145	22153		6533		3038
3039	81° 35	4	102 36 41.28	+ 19.950	+ 0.036					610			3039
3040	91° 33	3	92 56 0.63	+ 19.954	+ 0.036				22165	619			3040
3041	87° 58	3	98 30 38.05	+ 19.955	+ 0.035				22167	622			3041
3042	83° 29	3	104 25 57.09	+ 19.960	+ 0.034				22185				3042
3043	82° 64	3	96 3 54.80	+ 19.963	+ 0.034			148	22190	635	6548	1854	3043
3044	85° 30	3	98 31 15.35	+ 19.963	+ 0.034				22193	636			3044
3045	92° 31	3	100 1 2.45	+ 19.964	+ 0.033					638			3045
3046	90° 26	3	119 8 17.88	+ 19.965	+ 0.033						6551		3046
3047	83° 31	3	110 5 5.52	+ 19.968	+ 0.032				22203				3047
3048	85° 81	2	106 0 4.65	+ 19.968	+ 0.032								3048
3049	92° 30	3	90 46 27.03	+ 19.969	+ 0.032				22204	645			3049
3050	82° 30	3	107 44 21.06	+ 19.971	+ 0.032	+ 0.009	1598	150	22210		6555	1855	3050
3051	92° 25	3	110 51 44.02	+ 19.976	+ 0.030				22233				3051
3052	89° 20	3	82 51 13.92	+ 19.978	+ 0.030	+ 0.165	1601	153	22242	668		1857	3052
3053	92° 01	3	101 24 50.38	+ 19.982	+ 0.029					678			3053
3054	87° 97	3	113 52 24.40	+ 19.984	+ 0.028								3054
3055	92° 61	3	108 51 30.10	+ 19.985	+ 0.028				22266				3055
3056	92° 01	3	94 34 9.29	+ 19.988	+ 0.027				22277				3056
3057	87° 92	3	107 46 4.97	+ 19.990	+ 0.027				22281				3057
3058	83° 87	8	69 10 10.87	+ 19.993	+ 0.026	— 0.012	1603	159	22293			1862	3058
3059	85° 29	3	105 56 10.42	+ 19.995	+ 0.025				22295				3059
3060	91° 98	3	98 15 46.95	+ 19.996	+ 0.025					708			3060

3035, 3052, are respectively 2733, 2742 of the Radcliffe Catalogue, 1845.
 3016, 3033, 3052, are respectively 1121, 1124, 1130 of the Radcliffe Catalogue, 1860.
 3020, 3022. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
3061	Crateris	7-6	2	82.25	3	11	42	47.702	+ 3.0554	+ 0.0060	- 0.0120	3061
3062	Virginis	8-7	3	92.01	3	11	42	48.654	+ 3.0679	+ 0.0023		3062
3063	Crateris	7-8	1	90.15	3	11	42	54.314	+ 3.0313	+ 0.0130		3063
3064	Crateris	6-7	3	81.35	3	11	43	5.926	+ 3.0484	+ 0.0081		3064
3065	Hydræ	6-5	...	80.67	5	11	43	11.718	+ 3.0245	+ 0.0151		3065
3066	Crateris	7-8	8	85.29	4	11	43	17.166	+ 3.0446	+ 0.0094		3066
3067	94 Leonis β	2*	...	84.16	37	11	43	26.944	+ 3.0987	- 0.0072	- 0.0356	3067
3068	Virginis	7	6	86.34	5	11	43	33.878	+ 3.0612	+ 0.0045		3068
3069	Crateris	6-7	5	83.25	4	11	44	43.759	+ 3.0482	+ 0.0091		3069
3070	Virginis	8	...	91.99	3	11	44	52.107	+ 3.0639	+ 0.0039		3070
3071	5 Virginis β	4-3	1	85.59	33	11	44	57.917	+ 3.0761	- 0.0002	+ 0.0481	3071
3072	Virginis	6-5	2	82.15	6	11	45	24.774	+ 3.0655	+ 0.0035		3072
3073	Crateris	7-8	1	92.30	3	11	45	25.748	+ 3.0596	+ 0.0056		3073
3074	Crateris	7-8	1	90.27	3	11	45	26.374	+ 3.0533	+ 0.0077		3074
3075	Crateris	8-9	...	92.27	3	11	45	29.937	+ 3.0567	+ 0.0067		3075
3076	Virginis	7	2	89.98	3	11	45	33.771	+ 3.0616	+ 0.0049		3076
3077	Crateris	7-6	...	88.63	3	11	45	47.127	+ 3.0555	+ 0.0072		3077
3078	Crateris	7-8	...	91.96	3	11	45	57.695	+ 3.0411	+ 0.0123		3078
3079	Crateris	8-9	...	92.63	3	11	46	5.391	+ 3.0468	+ 0.0104		3079
3080	Crateris	8-7	2	92.30	3	11	46	36.922	+ 3.0462	+ 0.0110		3080
3081	Crateris	8	1	92.63	3	11	46	51.911	+ 3.0541	+ 0.0082		3081
3082	Crateris	9-8	2	92.61	3	11	47	13.938	+ 3.0396	+ 0.0141		3082
3083	Crateris	7-8	4	85.66	3	11	47	46.943	+ 3.0521	+ 0.0097		3083
3084	Hydræ	6-5	...	86.26	3	11	47	53.493	+ 3.0241	+ 0.0210		3084
3085	Crateris	7-8	2	88.34	3	11	47	56.870	+ 3.0530	+ 0.0094		3085
3086	64 Ursæ Majoris ... γ	3-2	1	83.44	4	11	48	2.521	+ 3.1695	- 0.0430	+ 0.0098	3086
3087	Virginis	7-8	2	85.35	3	11	48	14.487	+ 3.0687	+ 0.0028		3087
3088	Crateris	8	1	92.28	3	11	48	58.066	+ 3.0622	+ 0.0061		3088
3089	Hydræ	6-5	...	83.29	3	11	49	6.355	+ 3.0427	+ 0.0149		3089
3090	Crateris	8-9	1	92.33	3	11	49	12.489	+ 3.0459	+ 0.0137		3090
3091	Virginis	8-7	1	91.34	3	11	49	12.933	+ 3.0716	+ 0.0017	+ 0.0070	3091
3092	Virginis	7-8	4	85.94	5	11	49	48.868	+ 3.0678	+ 0.0037		3092
3093	Corvi	7	2	82.33	3	11	49	54.967	+ 3.0460	+ 0.0145		3093
3094	Crateris	7-8	2	87.30	3	11	50	19.214	+ 3.0502	+ 0.0130		3094
3095	30 Crateris η	6*	...	82.25	3	11	50	24.552	+ 3.0559	+ 0.0101	- 0.0060	3095
3096	Crateris	7-8	3	85.29	3	11	51	7.630	+ 3.0633	+ 0.0067		3096
3097	Crateris	6	3	81.35	4	11	51	18.827	+ 3.0607	+ 0.0083		3097
3098	Crateris	7	5	83.25	4	11	51	19.257	+ 3.0622	+ 0.0075		3098
3099	Virginis	7-6	4	83.33	3	11	51	23.735	+ 3.0688	+ 0.0036		3099
3100	Hydræ	7-6	...	81.92	3	11	51	28.444	+ 3.0405	+ 0.0202		3100
3101	Crateris	8-7	1	89.59	3	11	51	41.369	+ 3.0530	+ 0.0133		3101
3102	Virginis	7-6	...	84.33	3	11	52	8.540	+ 3.0661	+ 0.0056		3102
3103	Crateris	7-8	3	86.31	3	11	52	15.523	+ 3.0575	+ 0.0113		3103
3104	Virginis	7	1	82.55	3	11	52	30.030	+ 3.0696	+ 0.0035		3104
3105	Crateris	8-7	...	92.28	3	11	52	55.893	+ 3.0618	+ 0.0092		3105

3068. Reddish star.

3087. A fainter star, Lalande 22410, precedes 25^s, and is about 6'.30" south.

3101. Double star. The components are of the 8 and 8-9 magnitudes. Observed as one mass.

3073. Lalande's N.P.D. is 2' too great.

3092. Lalande's N.P.D. is 1' too great.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
3061	82°25	3	99 41 53.75	+ 19.997	+ 0.025	+ 0.130			22302	711			3061
3062	92°01	3	92 37 38.63	+ 19.997	+ 0.025					710			3062
3063	90°15	3	112 28 46.83	+ 19.997	+ 0.024				22306				3063
3064	81°35	3	103 43 52.36	+ 19.999	+ 0.024					715			3064
3065	80°60	6	116 8 17.02	+ 19.999	+ 0.024			161			6592		3065
3066	85°29	3	105 59 13.39	+ 20.000	+ 0.024				22310				3066
3067	82°36	17	74 48 46.21	+ 20.000	+ 0.024	+ 0.098	1605	163	22314		6593	1865	3067
3068	86°33	3	96 44 56.48	+ 20.001	+ 0.023					725			3068
3069	83°25	4	105 15 8.64	+ 20.009	+ 0.021				22339				3069
3070	91°99	3	95 35 56.99	+ 20.009	+ 0.021					744			3070
3071	83°46	7	87 36 54.82	+ 20.010	+ 0.021	+ 0.262	1606	166	22341	745	6605	1867	3071
3072	82°11	5	94 43 16.58	+ 20.012	+ 0.020			167	22361	753	6610	1869	3072
3073	92°55	4	98 39 42.12	+ 20.012	+ 0.020				22362	754			3073
3074	90°27	3	102 42 41.77	+ 20.012	+ 0.020				22363	755			3074
3075	92°27	3	100 35 44.36	+ 20.013	+ 0.020					756			3075
3076	89°98	3	97 22 44.99	+ 20.013	+ 0.020				22364	758			3076
3077	88°63	3	101 34 38.30	+ 20.015	+ 0.019								3077
3078	91°96	3	111 1 26.23	+ 20.016	+ 0.019				22372				3078
3079	92°63	3	107 33 39.78	+ 20.016	+ 0.018				22374				3079
3080	92°30	3	108 35 40.03	+ 20.019	+ 0.017				22383				3080
3081	92°63	3	103 31 0.29	+ 20.020	+ 0.017				22392	778			3081
3082	92°55	4	113 51 56.39	+ 20.022	+ 0.016								3082
3083	85°66	3	105 58 49.43	+ 20.024	+ 0.015								3083
3084	84°77	4	124 27 14.85	+ 20.025	+ 0.015			175			6628		3084
3085	88°34	3	105 30 7.85	+ 20.025	+ 0.015					789			3085
3086	82°73	6	35 41 36.27	+ 20.026	+ 0.016	- 0.008	1608	174	22411			1872	3086
3087	85°35	3	93 9 47.31	+ 20.027	+ 0.014			179	22423	796	6630		3087
3088	92°28	3	99 6 7.84	+ 20.030	+ 0.013					807			3088
3089	83°29	3	115 6 14.50	+ 20.030	+ 0.013				22439		6638	1873	3089
3090	92°33	3	112 56 16.52	+ 20.031	+ 0.012								3090
3091	91°34	3	90 49 46.73	+ 20.031	+ 0.013	+ 0.290		182		810			3091
3092	85°67	3	94 31 19.09	+ 20.033	+ 0.011			188	22460	825	6645		3092
3093	82°33	3	114 14 49.43	+ 20.034	+ 0.011				22462		6646		3093
3094	87°30	3	111 34 17.59	+ 20.035	+ 0.010				22475				3094
3095	82°25	3	106 32 18.51	+ 20.035	+ 0.010	- 0.016	1615	193	22478		6649		3095
3096	85°29	3	100 6 33.58	+ 20.038	+ 0.009				22499				3096
3097	81°35	4	103 8 13.90	+ 20.039	+ 0.008				22502	847			3097
3098	83°25	4	101 29 41.59	+ 20.039	+ 0.008				22503	849			3098
3099	83°33	3	94 10 13.43	+ 20.039	+ 0.008				22506	850			3099
3100	80°94	3	122 42 10.03	+ 20.039	+ 0.008						6654		3100
3101	89°59	3	111 55 27.17	+ 20.040	+ 0.008				22513				3101
3102	84°33	3	97 56 12.93	+ 20.041	+ 0.007				22527				3102
3103	86°31	3	108 22 6.30	+ 20.042	+ 0.007				22530				3103
3104	82°55	3	93 45 36.63	+ 20.043	+ 0.006				22536	867			3104
3105	92°28	3	104 30 11.52	+ 20.043	+ 0.005				22546	877			3105

3067, 3071, 3086, are respectively 2748, 2751, 2757 of the Radcliffe Catalogue, 1845.
3067, 3071, 3086, 3087, 3089, 3091, 3100, are respectively 1132, 1134, 1138, 1139, 1143, 1144, 1145 of the Radcliffe Catalogue, 1860.
3061, 3091. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
3106	Virginis	8-7	...	91°34	3	11	53	23.256	+ 3.0684	+ 0.0047		3106
3107	Corvi	8-7	2	91°96	3	11	53	25.123	+ 3.0564	+ 0.0140		3107
3108	Virginis	7-6	3	84°36	3	11	53	31.778	+ 3.0659	+ 0.0067		3108
3109	Virginis	7-8	...	91°96	3	11	53	36.583	+ 3.0707	+ 0.0029		3109
3110	Hydræ	7	...	...	...	11	53	55.488	+ 3.0472	+ 0.0219		3110
3111	Virginis	7	1	85°28	3	11	53	56.292	+ 3.0717	+ 0.0023		3111
3112	Crateris	8-7	...	92°63	3	11	54	31.682	+ 3.0634	+ 0.0101		3112
3113	Corvi	8-9	2	92°61	3	11	54	50.913	+ 3.0592	+ 0.0147		3113
3114	Corvi	6-7	3	85°68	3	11	55	4.646	+ 3.0614	+ 0.0132		3114
3115	Virginis	6	2	84°37	3	11	55	5.638	+ 3.0676	+ 0.0068	+ 0.0070	3115
3116	31 Crateris	6-5	3	85°29	3	11	55	13.604	+ 3.0629	+ 0.0119	- 0.0027	3116
3117	8 Virginis	4-5	6	85°65	39	11	55	14.187	+ 3.0760	- 0.0022	- 0.0028	3117
3118	Virginis	7-6	2	87°34	3	11	55	23.840	+ 3.0720	+ 0.0022		3118
3119	Crateris	9	1	92°64	3	11	55	24.401	+ 3.0638	+ 0.0112		3119
3120	Corvi	7-8	1	92°31	3	11	55	45.583	+ 3.0635	+ 0.0125		3120
3121	Corvi	8-7	2	91°28	3	11	55	45.731	+ 3.0631	+ 0.0130		3121
3122	67 Ursæ Majoris	5*	...	85°96	3	11	56	31.701	+ 3.0918	- 0.0272	- 0.0294	3122
3123	Crateris	8	...	92°29	3	11	56	48.326	+ 3.0688	+ 0.0077		3123
3124	Virginis	6-7	1	82°28	3	11	57	13.796	+ 3.0705	+ 0.0054		3124
3125	Crateris	8	1	91°92	3	11	57	28.497	+ 3.0683	+ 0.0102		3125
3126	Virginis	7	3	83°28	3	11	57	57.883	+ 3.0715	+ 0.0043		3126
3127	Virginis	7	1	82°28	3	11	58	22.219	+ 3.0709	+ 0.0069		3127
3128	Corvi	8-7	3	85°31	3	11	58	38.750	+ 3.0696	+ 0.0129		3128
3129	Crateris	8-7	1	91°29	3	11	59	23.512	+ 3.0716	+ 0.0093		3129
3130	9 Virginis	4	7	87°12	40	11	59	36.366	+ 3.0729	- 0.0030	- 0.0159	3130
3131	Virginis	7-6	2	83°35	3	11	59	56.991	+ 3.0725	+ 0.0046		3131
3132	Virginis	8-7	2	83°35	3	12	0	10.901	+ 3.0726	+ 0.0046		3132
3133	Virginis	7-6	1	84°33	3	12	0	21.889	+ 3.0726	+ 0.0032		3133
3134	Hydræ	7-6	...	88°27	3	12	0	26.238	+ 3.0741	+ 0.0208		3134
3135	Crateris	7-6	3	85°34	3	12	1	9.502	+ 3.0739	+ 0.0082		3135
3136	Corvi	7-6	...	82°37	3	12	1	22.997	+ 3.0760	+ 0.0148		3136
3137	Virginis	7-8	3	86°34	4	12	1	33.534	+ 3.0725	+ 0.0020		3137
3138	Virginis	7-8	4	88°12	5	12	1	36.714	+ 3.0735	+ 0.0052		3138
3139	Corvi	7	2	84°03	3	12	1	48.835	+ 3.0759	+ 0.0115		3139
3140	Corvi	6-7	1	87°35	3	12	1	58.697	+ 3.0775	+ 0.0149	+ 0.0040	3140
3141	Virginis	7-8	3	86°33	3	12	2	9.660	+ 3.0742	+ 0.0061		3141
3142	Virginis	7-8	...	91°67	3	12	2	34.099	+ 3.0735	+ 0.0039		3142
3143	Virginis	8-9	1	92°01	3	12	2	41.122	+ 3.0729	+ 0.0029		3143
3144	1 Corvi	4-3	1	82°51	3	12	2	44.326	+ 3.0796	+ 0.0155	+ 0.0045	3144
3145	Corvi	7-8	...	88°32	3	12	3	4.361	+ 3.0783	+ 0.0117		3145
3146	Crateris	8-7	2	91°99	3	12	3	43.059	+ 3.0772	+ 0.0086		3146
3147	Crateris	7	3	88°02	3	12	3	47.135	+ 3.0769	+ 0.0080	+ 0.0190	3147
3148	Corvi	8	3	92°03	3	12	3	52.122	+ 3.0809	+ 0.0133		3148
3149	Virginis	7-8	4	85°92	5	12	4	9.620	+ 3.0745	+ 0.0045		3149
3150	Hydræ	6-7	...	80°33	1	12	4	21.430	+ 3.0897	+ 0.0226		3150

3109. The R. A. of this star in Weisse's Bessel is 1^m too great.

3110. The R. A. of this star has been supplied from the Cape Catalogue, 1880.

3114. Reddish star.

3123. A star of equal magnitude, Lalande 22630, follows about 4^s, and is 2' south.

3113. A star of the 9-10 magnitude follows.

3130. Reddish star.

3147. Double star: the companion is of the 8-9 magnitude and follows. A star of the 8-7 magnitude, Lalande 22803, follows this double about 3^s, and is slightly south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
3106	91°34	3	96 2 30°90	+ 20°045	+ 0°004				22554	882			3106
3107	91°96	3	112 48 0°84	+ 20°045	+ 0°004				22556				3107
3108	84°36	3	99 51 51°80	+ 20°045	+ 0°004					887			3108
3109	91°96	3	92 42 35°64	+ 20°045	+ 0°004				22557	901			3109
3110	80°21	1	124 41 55°62	+ 20°046	+ 0°003						6681		3110
3111	85°28	3	91 18 19°68	+ 20°046	+ 0°003				22562	895			3111
3112	92°63	3	105 58 19°71	+ 20°047	+ 0°002				22576				3112
3113	92°61	3	113 50 43°88	+ 20°048	+ 0°001								3113
3114	85°68	3	111 13 27°72	+ 20°048	+ 0°001				22586				3114
3115	84°37	3	99 49 8°79	+ 20°048	+ 0°001	+ 0°468			22585	914		1881	3115
3116	85°29	3	109 2 47°72	+ 20°049	+ 0°001	- 0°033	1619	212	22591		6691		3116
3117	83°12	13	82 46 19°39	+ 20°049	+ 0°001	+ 0°017	1618	211	22590	919	6692	1882	3117
3118	87°34	3	91 9 12°09	+ 20°049	0°000			213	22594	925			3118
3119	92°57	4	107 54 15°26	+ 20°049	0°000								3119
3120	92°31	3	110 3 0°77	+ 20°050	0°000				22603				3120
3121	91°28	3	110 55 6°29	+ 20°050	0°000								3121
3122	85°96	3	46 20 38°33	+ 20°051	- 0°002	- 0°060	1621	217	22608			1885	3122
3123	92°29	3	101 19 16°74	+ 20°051	- 0°002				22628	941			3123
3124	82°28	3	97 4 17°30	+ 20°052	- 0°003				22642	950			3124
3125	91°92	3	105 50 37°40	+ 20°052	- 0°004				22648				3125
3126	83°28	3	94 51 58°67	+ 20°052	- 0°005			221	22656	960			3126
3127	82°28	3	99 41 2°36	+ 20°053	- 0°005				22664	965			3127
3128	85°31	3	110 25 33°86	+ 20°053	- 0°006			225	22677				3128
3129	91°29	3	103 55 5°12	+ 20°053	- 0°007				22691	984			3129
3130	85°44	7	80 39 21°46	+ 20°053	- 0°008	- 0°049	1623	228		991	6736	1888	3130
3131	83°35	3	95 14 0°10	+ 20°053	- 0°009				22708	994			3131
3132	83°35	3	95 14 36°28	+ 20°053	- 0°009				22710	995			3132
3133	84°33	3	92 31 5°93	+ 20°053	- 0°009			230	22715	999		1890	3133
3134	86°95	3	122 20 34°68	+ 20°053	- 0°009						6746		3134
3135	85°34	3	101 37 41°36	+ 20°053	- 0°011				22734	1008			3135
3136	82°37	3	113 9 17°40	+ 20°053	- 0°011			234	22739		6756		3136
3137	86°34	4	90 1 2°49	+ 20°053	- 0°012				22742	1011			3137
3138	88°12	5	96 9 12°59	+ 20°053	- 0°012			237	22745	1014			3138
3139	84°03	3	107 34 44°81	+ 20°053	- 0°012				22751				3139
3140	87°35	3	113 21 22°24	+ 20°052	- 0°013	+ 0°260			22756				3140
3141	86°33	3	97 52 22°96	+ 20°052	- 0°013				22769	1024			3141
3142	91°67	3	93 40 29°07	+ 20°052	- 0°014				22767	1030			3142
3143	92°01	3	91 28 40°59	+ 20°052	- 0°014				22774	1032			3143
3144	82°24	4	114 6 53°80	+ 20°052	- 0°014	+ 0°034	1624	241	22775		6768	1891	3144
3145	88°32	3	107 49 23°23	+ 20°051	- 0°015				22787				3145
3146	91°99	3	102 19 37°30	+ 20°050	- 0°016				22796	5			3146
3147	88°02	3	101 14 22°70	+ 20°050	- 0°016	+ 0°170			22798	7			3147
3148	92°03	3	110 26 25°68	+ 20°050	- 0°016				22804				3148
3149	85°64	3	94 36 49°20	+ 20°050	- 0°017				22811	17			3149
3150	80°30	2	124 5 26°97	+ 20°049	- 0°017			247			6777		3150

3117, 3122, 3130, are respectively 2785, 2786, 2795 of the Radcliffe Catalogue, 1845.
 3117, 3122, 3130, 3138, 3144, are respectively 1151, 1154, 1160, 1161, 1162 of the Radcliffe Catalogue, 1860.
 3115. The Proper Motions have been taken from Bonn Obs., Vol. VII.
 3140, 3147. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
3151	Corvi	7-6	2	83°25	3	12	4	26.934	+ 3.0804	+ 0.0113		3151
3152	2 Corvi	4-3	1	85°81	43	12	4	27.957	+ 3.0830	+ 0.0143	- 0.0059	3152
3153	Corvi	8-7	...	92°33	3	12	4	39.080	+ 3.0819	+ 0.0126		3153
3154	Virginis	7-6	1	89°58	3	12	4	48.491	+ 3.0760	+ 0.0060		3154
3155	Virginis	7-8	1	91°61	3	12	5	9.575	+ 3.0772	+ 0.0068		3155
3156	3 Corvi	6	1	82°23	3	12	5	24.007	+ 3.0859	+ 0.0150	- 0.0050	3156
3157	Virginis	7-6	3	84°33	3	12	5	43.585	+ 3.0737	+ 0.0033		3157
3158	Virginis	7	...	90°00	3	12	5	44.092	+ 3.0743	+ 0.0039		3158
3159	Corvi	7-6	...	89°97	3	12	5	44.161	+ 3.0822	+ 0.0110		3159
3160	Hydræ	8-7	...	87°30	2	12	6	0.646	+ 3.0928	+ 0.0197		3160
3161	Virginis	7-8	1	92°02	3	12	6	1.346	+ 3.0787	+ 0.0076		3161
3162	Corvi	7-8	3	87°99	3	12	6	38.581	+ 3.0861	+ 0.0128		3162
3163	Corvi	8-9	1	92°32	3	12	6	50.374	+ 3.0831	+ 0.0102		3163
3164	Draconis	5-4*	...	86°65	3	12	7	2.227	+ 2.8752	- 0.1225	+ 0.0013	3164
3165	Virginis	7	5	87°08	5	12	7	3.870	+ 3.0738	+ 0.0033		3165
3166	Crateris	8-7	...	91°30	3	12	7	17.432	+ 3.0817	+ 0.0088		3166
3167	Hydræ	6-7	...	89°83	2	12	7	53.891	+ 3.1026	+ 0.0222		3167
3168	Corvi	8-9	1	91°61	3	12	8	36.122	+ 3.0893	+ 0.0125		3168
3169	Virginis	7-6	3	82°35	5	12	8	37.358	+ 3.0770	+ 0.0051		3169
3170	Corvi	7-8	2	87°35	3	12	9	2.992	+ 3.0962	+ 0.0160		3170
3171	Corvi	6	3	83°28	4	12	9	18.568	+ 3.0925	+ 0.0136		3171
3172	Virginis	7-8	3	86°33	4	12	9	22.137	+ 3.0732	+ 0.0028		3172
3173	Corvi	6-7	1	81°30	3	12	9	24.148	+ 3.1024	+ 0.0190		3173
3174	Virginis	8-9	3	84°86	4	12	9	28.684	+ 3.0789	+ 0.0059	- 0.0210	3174
3175	Virginis	8	3	84°71	3	12	9	29.326	+ 3.0789	+ 0.0059	- 0.0210	3175
3176	Virginis	6	5	84°36	3	12	9	30.823	+ 3.0820	+ 0.0076	+ 0.0068	3176
3177	Corvi	7-8	1	89°24	3	12	9	50.427	+ 3.0862	+ 0.0097		3177
3178	Corvi	7	2	87°67	3	12	9	55.696	+ 3.0935	+ 0.0134		3178
3179	69 Ursæ Majoris ... δ	3-4*	...	83°31	3	12	9	58.735	+ 2.9806	- 0.0418	+ 0.0133	3179
3180	Virginis	8-7	4	85°36	3	12	10	0.585	+ 3.0824	+ 0.0076		3180
3181	Corvi	6-7	1	89°59	3	12	10	4.912	+ 3.0971	+ 0.0152		3181
3182	4 Corvi γ	3-2	1	83°30	3	12	10	8.882	+ 3.0905	+ 0.0116	- 0.0123	3182
3183	Corvi	7	1	88°66	3	12	10	9.835	+ 3.0864	+ 0.0095		3183
3184	Virginis	8-7	1	92°01	3	12	10	38.068	+ 3.0753	+ 0.0039		3184
3185	Virginis	7-8	5	86°10	5	12	10	43.344	+ 3.0782	+ 0.0052		3185
3186	Corvi	6-7	...	82°36	4	12	11	22.923	+ 3.0916	+ 0.0113		3186
3187	Corvi	7	2	83°63	3	12	12	13.366	+ 3.1033	+ 0.0157		3187
3188	Virginis	8-9	...	92°27	3	12	12	25.246	+ 3.0740	+ 0.0032		3188
3189	Virginis	7	3	86°30	3	12	12	30.511	+ 3.0768	+ 0.0043		3189
3190	Virginis	7-6	3	86°30	3	12	12	30.850	+ 3.0768	+ 0.0043		3190
3191	Corvi	7-8	1	91°04	3	12	12	32.714	+ 3.0995	+ 0.0138		3191
3192	Corvi	8-7	...	91°68	3	12	12	41.438	+ 3.0923	+ 0.0107		3192
3193	Corvi	8-7	2	91°33	3	12	12	44.771	+ 3.0998	+ 0.0138		3193
3194	Corvi	8-7	2	86°58	3	12	12	55.160	+ 3.0910	+ 0.0101		3194
3195	13 Virginis	6-7	...	83°46	4	12	13	1.871	+ 3.0727	+ 0.0027	- 0.0001	3195

3152. Reddish star.

3155. A star of the 8-9 magnitude, Lalande 22839, precedes 7^s, and is south.3162. A star of the same magnitude, Lalande 22875, precedes about 30^s, and is south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3151	83.25	3	106 55 25.23	+ 20.049	- 0.017				22816				3151
3152	82.08	16	112 0 27.35	+ 20.049	- 0.017	- 0.021	1626	248	22817		6778	1893	3152
3153	92.33	3	109 9 28.27	+ 20.049	- 0.018								3153
3154	89.58	3	97 9 44.59	+ 20.048	- 0.018				22833	27			3154
3155	91.61	3	98 47 1.33	+ 20.048	- 0.019				22841	33			3155
3156	82.23	3	112 59 22.37	+ 20.047	- 0.019	+ 0.002	1629	4	22850		6789	1897	3156
3157	84.33	3	92 5 4.55	+ 20.047	- 0.020					45			3157
3158	90.00	3	93 9 53.90	+ 20.047	- 0.020				22862	46			3158
3159	89.97	3	106 10 38.50	+ 20.047	- 0.020				22863				3159
3160	90.30	1	119 59 28.56	+ 20.046	- 0.020			5			6794		3160
3161	92.02	3	99 57 29.89	+ 20.046	- 0.020								3161
3162	87.99	3	109 15 39.12	+ 20.045	- 0.022				22882				3162
3163	92.32	3	104 50 45.19	+ 20.044	- 0.022					67			3163
3164	80.26	6	11 46 20.70	+ 20.044	- 0.022	- 0.025	1634	10				1901	3164
3165	87.57	3	91 51 33.73	+ 20.043	- 0.022				22896				3165
3166	91.30	3	102 10 41.44	+ 20.043	- 0.023				22900	73			3166
3167	86.67	3	123 10 49.13	+ 20.041	- 0.024						6810		3167
3168	91.61	3	108 32 32.16	+ 20.039	- 0.026								3168
3169	82.35	6	95 6 30.77	+ 20.039	- 0.026			17	22935	94			3169
3170	87.35	3	114 9 44.05	+ 20.037	- 0.026				22947				3170
3171	83.28	4	110 13 56.76	+ 20.036	- 0.027			18	22950				3171
3172	86.33	4	90 42 53.29	+ 20.036	- 0.027				22945	103			3172
3173	81.30	3	118 37 29.04	+ 20.036	- 0.027						6825		3173
3174	84.86	4	96 38 36.79	+ 20.036	- 0.027	+ 0.050			22955	105			3174
3175	84.71	3	96 38 38.08	+ 20.036	- 0.027	+ 0.050			22956	106			3175
3176	84.36	3	99 40 11.62	+ 20.036	- 0.027	+ 0.986			22954	107		1902	3176
3177	89.24	3	103 27 37.26	+ 20.035	- 0.028			21	22961	110			3177
3178	87.67	3	109 55 6.96	+ 20.034	- 0.028				22967				3178
3179	83.31	3	32 21 20.48	+ 20.034	- 0.028	- 0.004	1637	22				1905	3179
3180	85.36	3	99 39 40.54	+ 20.034	- 0.028				22969	114		1906	3180
3181	89.59	3	112 44 27.57	+ 20.034	- 0.029				22971				3181
3182	83.30	3	106 55 51.07	+ 20.034	- 0.029	- 0.034	1638	24	22974		6828	1907	3182
3183	88.66	3	103 12 18.46	+ 20.033	- 0.029			25	22976	116			3183
3184	92.01	3	92 37 19.20	+ 20.031	- 0.029				22991	126			3184
3185	85.95	3	95 14 1.47	+ 20.031	- 0.030					129			3185
3186	82.36	4	106 4 56.57	+ 20.029	- 0.031				23006			1914	3186
3187	83.63	3	113 24 7.88	+ 20.024	- 0.033				23027				3187
3188	92.27	3	91 12 46.51	+ 20.023	- 0.033				23034				3188
3189	86.30	3	93 20 37.11	+ 20.023	- 0.033			32	23035	157		1916	3189
3190	86.30	3	93 20 17.92	+ 20.023	- 0.033			33	23038	158		1917	3190
3191	91.04	3	110 13 48.63	+ 20.023	- 0.033				23041				3191
3192	91.68	3	104 58 58.35	+ 20.022	- 0.034				23042				3192
3193	91.33	3	110 11 54.19	+ 20.022	- 0.034				23046				3193
3194	86.58	3	103 47 46.16	+ 20.021	- 0.034				23049	165			3194
3195	83.46	4	90 10 31.25	+ 20.021	- 0.034	+ 0.029	1643	38	23052	167		1919	3195

3164, 3179, 3182, 3195, are respectively 2813, 2819, 2820, 2829 of the Radcliffe Catalogue, 1845.
 3152, 3164, 3169, 3179, 3182, 3195, are respectively 1164, 1167, 1170, 1171, 1172, 1175 of the Radcliffe Catalogue, 1860.
 3174, 3175. The Proper Motions have been determined in the formation of the present Catalogue.
 3176. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
3196	14 Virginis	7	1	82.97	3	12	13	40.497	+ 3.0841	+ 0.0071	+ 0.0021	3196
3197	Corvi R	Var.	1	89.32	3	12	13	56.024	+ 3.0999	+ 0.0130		3197
3198	Corvi	7	1	84.48	7	12	14	12.039	+ 3.1131	+ 0.0177		3198
3199	15 Virginis η	4-3	3	86.12	40	12	14	16.684	+ 3.0726	+ 0.0027	- 0.0056	3199
3200	3 Canum Venaticorum...	6*	...	86.68	3	12	14	23.573	+ 2.9739	- 0.0301	+ 0.0010	3200
3201	Corvi	6-7	3	89.34	3	12	14	29.035	+ 3.1059	+ 0.0147	- 0.0076	3201
3202	5 Corvi ζ	5-6	3	84.31	4	12	14	51.751	+ 3.1068	+ 0.0148	- 0.0090	3202
3203	Corvi	6-5	3	84.35	3	12	15	14.930	+ 3.0930	+ 0.0097		3203
3204	Virginis	8-7	...	92.01	3	12	15	28.184	+ 3.0898	+ 0.0086		3204
3205	Corvi	8-9	1	92.00	3	12	16	10.812	+ 3.1028	+ 0.0126		3205
3206	Corvi	7	2	82.37	3	12	16	36.588	+ 3.0983	+ 0.0109		3206
3207	Corvi	7	2	81.33	3	12	17	16.528	+ 3.1179	+ 0.0167		3207
3208	Virginis	7-6	3	83.26	3	12	17	30.064	+ 3.0845	+ 0.0064		3208
3209	Virginis	6-7	1	83.35	3	12	17	36.015	+ 3.0803	+ 0.0052		3209
3210	Virginis	7-8	1	90.04	3	12	17	36.337	+ 3.0890	+ 0.0077		3210
3211	6 Corvi	6	1	81.14	5	12	17	37.527	+ 3.1187	+ 0.0167	- 0.0027	3211
3212	Virginis	7-6	2	83.99	3	12	17	38.447	+ 3.0928	+ 0.0088		3212
3213	Centauri κ^1	6-5	...	84.77	2	12	17	48.169	+ 3.1446	+ 0.0245		3213
3214	Virginis	7-8	2	90.31	3	12	17	48.414	+ 3.0825	+ 0.0058		3214
3215	Corvi	8-9	1	91.66	3	12	17	54.124	+ 3.1026	+ 0.0117		3215
3216	Corvi	8	3	85.33	3	12	17	56.209	+ 3.1095	+ 0.0137		3216
3217	Corvi	7-8	1	88.99	3	12	18	10.268	+ 3.1082	+ 0.0131		3217
3218	Corvi	7-8	2	86.27	3	12	18	19.790	+ 3.1092	+ 0.0135		3218
3219	Virginis	6-7	2	84.35	3	12	19	31.170	+ 3.0946	+ 0.0088		3219
3220	Centauri κ^2	6-5	...	...	...	12	19	34.038	+ 3.1511	+ 0.0244		3220
3221	Virginis	9-8	...	92.28	3	12	19	40.091	+ 3.0734	+ 0.0032		3221
3222	Corvi	7-8	...	93.29	3	12	19	46.039	+ 3.1116	+ 0.0133		3222
3223	Corvi	8-9	2	92.03	3	12	19	54.361	+ 3.1198	+ 0.0155		3223
3224	Corvi	7-8	2	85.37	3	12	20	18.537	+ 3.1028	+ 0.0108		3224
3225	Corvi	8	1	91.70	3	12	20	50.276	+ 3.1009	+ 0.0101		3225
3226	Hydræ	6-5	...	82.32	2	12	21	3.640	+ 3.1498	+ 0.0227		3226
3227	Virginis	7-8	3	85.33	3	12	21	8.109	+ 3.0832	+ 0.0057		3227
3228	Corvi	8	1	92.33	3	12	21	19.080	+ 3.1221	+ 0.0154		3228
3229	Virginis	8	...	91.96	3	12	21	20.842	+ 3.0789	+ 0.0046		3229
3230	15 Comæ γ	4-5*	...	83.63	3	12	21	27.392	+ 3.0036	- 0.0125	- 0.0081	3230
3231	Corvi	7-8	3	86.33	3	12	21	31.484	+ 3.1128	+ 0.0129		3231
3232	Corvi	8-7	...	92.32	3	12	21	46.784	+ 3.1202	+ 0.0147		3232
3233	Corvi	7-8	3	87.01	3	12	21	55.048	+ 3.1296	+ 0.0170		3233
3234	Corvi	7	1	82.33	3	12	22	6.786	+ 3.1095	+ 0.0119		3234
3235	Virginis	8	1	92.02	3	12	22	10.151	+ 3.0942	+ 0.0082		3235
3236	Virginis	6	1	83.19	6	12	22	12.977	+ 3.0816	+ 0.0053		3236
3237	Corvi	7-8	...	88.60	3	12	22	13.655	+ 3.1146	+ 0.0131		3237
3238	Virginis	7-6	...	81.60	3	12	22	16.849	+ 3.0909	+ 0.0074		3238
3239	Corvi	7-6	2	88.68	3	12	22	19.645	+ 3.1045	+ 0.0106		3239
3240	Virginis	7	2	86.59	3	12	23	31.176	+ 3.0769	+ 0.0041		3240

3197. The limits of magnitude are 6.8 and below 11.5: the period is 317 days.

3204. A wide double, Σ 1635: the northern and brighter star has been observed.

3219. The magnitudes assigned to this star in Lalande are 5-6 and 7, and in Weisse's Bessel 9.

3220. The R. A. has been supplied from the Cape Catalogue, 1880.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
3196	82° 97	3	98 18 10° 08	+ 20° 018	— 0° 035	+ 0° 017	1644	41	23073	180		1922	3196
3197	89° 32	3	108 38 42° 45	+ 20° 016	— 0° 036				23077				3197
3198	84° 51	6	116 7 32° 34	+ 20° 015	— 0° 037						6850		3198
3199	83° 09	17	90 3 18° 91	+ 20° 014	— 0° 037	+ 0° 022	1647	44	23088	191	6852	1925	3199
3200	85° 10	4	40 24 19° 05	+ 20° 013	— 0° 036	— 0° 003	1651	48					3200
3201	89° 34	3	111 33 49° 68	+ 20° 013	— 0° 037	+ 0° 020	1649	47	23101		6855		3201
3202	84° 31	4	111 36 14° 96	+ 20° 011	— 0° 038	+ 0° 035	1653	51	23112		6859		3202
3203	85° 34	3	102 57 19° 65	+ 20° 009	— 0° 039			54	23129			1930	3203
3204	92° 01	3	100 51 52° 28	+ 20° 007	— 0° 039				23131	212			3204
3205	92° 00	3	107 47 23° 87	+ 20° 003	— 0° 041								3205
3206	82° 37	3	104 56 40° 09	+ 20° 000	— 0° 041				23155	233			3206
3207	81° 33	3	114 15 43° 87	+ 19° 996	— 0° 043			61	23175		6880		3207
3208	83° 26	3	96 41 20° 09	+ 19° 995	— 0° 043			63	23181	253			3208
3209	83° 35	3	94 21 48° 60	+ 19° 994	— 0° 043			65	23184				3209
3210	90° 04	3	99 9 32° 55	+ 19° 994	— 0° 043				23185	255			3210
3211	81° 14	5	114 13 47° 39	+ 19° 994	— 0° 044	+ 0° 016	1659	64	23183		6885		3211
3212	83° 99	3	101 12 5° 64	+ 19° 994	— 0° 043				23186	256			3212
3213	83° 27	3	124 48 11° 43	+ 19° 993	— 0° 044			66			6887		3213
3214	90° 31	3	95 30 37° 33	+ 19° 993	— 0° 044				23188	258			3214
3215	91° 66	3	106 4 16° 23	+ 19° 992	— 0° 044				23192				3215
3216	85° 33	3	109 28 33° 29	+ 19° 992	— 0° 044				23193				3216
3217	88° 99	3	108 36 56° 03	+ 19° 990	— 0° 045				23197				3217
3218	86° 27	3	108 57 37° 13	+ 19° 989	— 0° 045				23200				3218
3219	84° 35	3	100 59 59° 70	+ 19° 980	— 0° 047				23228	276		1936	3219
3220	80° 37	2	124 34 42° 11	+ 19° 980	— 0° 048			74			6904		3220
3221	92° 28	3	90 27 37° 12	+ 19° 979	— 0° 047					279			3221
3222	93° 29	3	108 44 55° 82	+ 19° 978	— 0° 048				23234				3222
3223	92° 03	3	112 12 29° 69	+ 19° 977	— 0° 048								3223
3224	85° 37	3	104 20 15° 11	+ 19° 974	— 0° 049				23250	293			3224
3225	91° 70	3	103 11 7° 87	+ 19° 970	— 0° 050				23263	299			3225
3226	80° 33	1	122 13 10° 13	+ 19° 968	— 0° 051			80			6915		3226
3227	85° 33	3	94 58 56° 83	+ 19° 968	— 0° 050				23270				3227
3228	92° 33	3	111 46 52° 28	+ 19° 966	— 0° 051				23273				3228
3229	91° 96	3	92 55 22° 51	+ 19° 966	— 0° 050				23275	310			3229
3230	85° 58	11	61 7 11° 43	+ 19° 965	— 0° 050	+ 0° 086	1666	84	23279			1940	3230
3231	86° 33	3	107 48 10° 56	+ 19° 965	— 0° 051				23276				3231
3232	92° 32	3	110 37 3° 94	+ 19° 963	— 0° 052								3232
3233	87° 01	3	114 7 2° 68	+ 19° 961	— 0° 052				23286				3233
3234	82° 33	3	106 1 23° 28	+ 19° 960	— 0° 052			87	23294			1942	3234
3235	92° 02	3	99 33 28° 88	+ 19° 960	— 0° 052					330			3235
3236	83° 19	6	94 0 22° 94	+ 19° 959	— 0° 052			91	23307	331		1944	3236
3237	88° 60	3	108 0 4° 74	+ 19° 959	— 0° 053				23305				3237
3238	81° 60	3	98 4 3° 67	+ 19° 959	— 0° 052				23312	334		1945	3238
3239	88° 68	3	103 50 27° 65	+ 19° 958	— 0° 053				23311				3239
3240	86° 59	3	91 49 15° 98	+ 19° 948	— 0° 055			98	23342	362			3240

3199, 3200, are respectively 2834, 2835 of the Radcliffe Catalogue, 1845.
 3199, 3219, 3230, are respectively 1179, 1186, 1191 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R. A.	Precess.	Sec. Var.	Proper Motion.	No.	
						h. m. s.	s.	s.	s.		
3241	Corvi	δ^1	8-9	4	87.21	3	12 24 9.190	+ 3.1126	+ 0.0119	- 0.0142	3241
3242	7 Corvi	δ^2	3-4	2	82.84	23	12 24 10.301	+ 3.1126	+ 0.0119	- 0.0142	3242
3243	Virginis		8-7	...	91.67	3	12 24 22.886	+ 3.0859	+ 0.0061		3243
3244	Virginis		7-6	3	83.37	3	12 24 24.462	+ 3.1048	+ 0.0101	- 0.0200	3244
3245	Corvi		6-5	2	86.99	3	12 24 31.841	+ 3.1334	+ 0.0164		3245
3246	Virginis		7	3	85.33	3	12 25 11.580	+ 3.0814	+ 0.0051		3246
3247	Corvi		7-8	...	89.98	3	12 25 25.435	+ 3.1234	+ 0.0139		3247
3248	Virginis		7	1	86.30	3	12 25 44.324	+ 3.0951	+ 0.0079		3248
3249	Virginis		8	1	91.97	3	12 25 55.190	+ 3.1004	+ 0.0089		3249
3250	Virginis		6-7	2	83.32	4	12 25 59.423	+ 3.0843	+ 0.0057		3250
3251	Corvi		7-8	...	91.66	3	12 26 5.632	+ 3.1135	+ 0.0116		3251
3252	Hydræ		6-7	...	85.79	2	12 26 14.564	+ 3.1677	+ 0.0229		3252
3253	8 Corvi	η	5*	...	83.22	3	12 26 23.986	+ 3.1154	+ 0.0119	- 0.0326	3253
3254	Virginis		8-7	...	91.99	3	12 26 25.988	+ 3.0756	+ 0.0040		3254
3255	Corvi		7-6	2	86.67	3	12 26 48.551	+ 3.1312	+ 0.0150		3255
3256	Virginis		6	4	84.34	4	12 26 54.448	+ 3.1094	+ 0.0106		3256
3257	Corvi		6-7	1	88.34	3	12 27 37.404	+ 3.1284	+ 0.0141		3257
3258	Virginis		6	2	84.34	3	12 27 51.928	+ 3.1076	+ 0.0100		3258
3259	21 Virginis	ϱ	6-5	2	82.74	5	12 28 6.038	+ 3.0979	+ 0.0082	- 0.0082	3259
3260	Virginis		8	2	92.10	4	12 28 15.813	+ 3.0903	+ 0.0067		3260
3261	Corvi		7	2	89.97	3	12 28 24.472	+ 3.1249	+ 0.0133		3261
3262	Virginis		8	3	89.85	4	12 28 31.509	+ 3.0836	+ 0.0055		3262
3263	9 Corvi	β	3-2	2	85.41	34	12 28 36.453	+ 3.1424	+ 0.0164	- 0.0033	3263
3264	Virginis		7	4	85.35	3	12 28 44.928	+ 3.0748	+ 0.0039		3264
3265	5 Draconis	κ	3-4*	...	84.24	3	12 28 47.258	+ 2.6024	- 0.0540	- 0.0160	3265
3266	Virginis		7-6	1	89.35	3	12 29 50.598	+ 3.1076	+ 0.0096		3266
3267	Corvi		7	1	89.62	3	12 29 55.127	+ 3.1242	+ 0.0126		3267
3268	Corvi		7	1	88.64	3	12 29 59.062	+ 3.1232	+ 0.0125		3268
3269	Virginis		8	...	92.32	3	12 30 4.447	+ 3.0935	+ 0.0072		3269
3270	Virginis		6-7	3	88.72	6	12 30 10.389	+ 3.1081	+ 0.0098		3270
3271	Corvi		6-7	3	82.26	3	12 30 12.679	+ 3.1362	+ 0.0148		3271
3272	Virginis		9-8	1	92.28	3	12 30 26.501	+ 3.1030	+ 0.0089		3272
3273	Corvi		8-7	2	92.01	3	12 30 54.137	+ 3.1404	+ 0.0153		3273
3274	Corvi		7-8	3	86.29	3	12 31 7.227	+ 3.1209	+ 0.0118		3274
3275	25 Virginis	f	6*	...	82.79	4	12 31 7.357	+ 3.0890	+ 0.0064	- 0.0035	3275
3276	Corvi		8	2	86.68	3	12 31 23.807	+ 3.1549	+ 0.0176		3276
3277	Virginis		7-6	1	83.37	3	12 31 26.859	+ 3.0780	+ 0.0046	+ 0.0120	3277
3278	Virginis		7-6	3	83.26	3	12 31 40.284	+ 3.0974	+ 0.0077		3278
3279	Hydræ		6-5*	...	83.07	4	12 31 52.197	+ 3.1650	+ 0.0192	+ 0.0030	3279
3280	Virginis		8-7	1	89.93	3	12 32 34.548	+ 3.1120	+ 0.0100		3280
3281	Corvi		6*	...	84.60	3	12 32 59.952	+ 3.1335	+ 0.0135		3281
3282	Virginis		7-6	3	84.31	3	12 33 3.964	+ 3.0852	+ 0.0058		3282
3283	Hydræ		6-7	...	81.11	5	12 33 12.083	+ 3.1831	+ 0.0218		3283
3284	Corvi		8-9	...	91.69	3	12 33 13.550	+ 3.1506	+ 0.0163		3284
3285	Virginis		7	2	85.35	3	12 33 18.660	+ 3.0733	+ 0.0039		3285

3245. Reddish star.

3249. A star of the 8 magnitude, W. B. XII. 400, precedes by about half a second, and is south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3241	84°42'	7	105 54 29.58	+19.942	-0.056	+0.146			23358			1948	3241
3242	82°41'	19	105 54 9.73	+19.942	-0.056	+0.146	1675	101	23359		6943	1949	3242
3243	91°67'	3	95 24 47.56	+19.940	-0.056				23368	370			3243
3244	83°37'	3	102 47 0.45	+19.939	-0.057	+0.050		104	23369	372			3244
3245	86°99'	3	113 5 17.85	+19.938	-0.057			105				1950	3245
3246	85°33'	3	93 27 10.06	+19.932	-0.058			108	23387	383			3246
3247	89°98'	3	108 59 10.47	+19.930	-0.059				23393				3247
3248	86°30'	3	98 34 23.39	+19.927	-0.059				23404	395			3248
3249	91°97'	3	100 27 50.97	+19.925	-0.060					401			3249
3250	83°32'	4	94 26 44.53	+19.924	-0.060			111	23416	402		1956	3250
3251	91°66'	3	105 6 23.45	+19.923	-0.060			112	23417	403			3251
3252	80°67'	3	121 55 33.73	+19.922	-0.061						6964		3252
3253	83°22'	3	105 35 11.11	+19.920	-0.061	+0.049	1681	115	23431	411		1957	3253
3254	91°99'	3	91 9 56.59	+19.920	-0.060				23433	412			3254
3255	86°67'	3	110 36 11.01	+19.916	-0.062				23441				3255
3256	84°34'	4	103 15 0.45	+19.915	-0.062				23446	417		1958	3256
3257	88°34'	3	109 11 5.41	+19.908	-0.064				23461				3257
3258	84°34'	3	102 13 28.80	+19.905	-0.064				23463	429		1959	3258
3259	82°74'	5	98 50 41.94	+19.903	-0.064	-0.008	1683	119	23471	437	6978	1960	3259
3260	92°10'	4	96 10 19.67	+19.901	-0.064				23481	439			3260
3261	89°97'	3	107 35 11.57	+19.899	-0.065								3261
3262	89°85'	4	93 50 19.80	+19.898	-0.064								3262
3263	82°19'	12	112 47 17.50	+19.897	-0.066	+0.052	1685	123	23489		6982	1962	3263
3264	85°35'	3	90 48 3.72	+19.896	-0.065			125	23496	448			3264
3265	82°80'	7	19 36 18.89	+19.895	-0.056	+0.002	1689	129				1963	3265
3266	89°35'	3	101 24 51.19	+19.883	-0.067				23531	464			3266
3267	89°62'	3	106 32 34.33	+19.882	-0.068				23534				3267
3268	88°64'	3	106 13 13.62	+19.882	-0.068				23536				3268
3269	92°32'	3	96 50 26.98	+19.881	-0.068				23541	471			3269
3270	89°19'	5	101 27 48.95	+19.880	-0.068				23545	473			3270
3271	82°26'	3	109 55 10.98	+19.879	-0.069				23543				3271
3272	92°28'	3	99 46 42.62	+19.876	-0.068								3272
3273	92°01'	3	110 42 1.11	+19.871	-0.070								3273
3274	86°29'	3	104 58 1.69	+19.868	-0.070				23572	483			3274
3275	82°79'	4	95 13 31.73	+19.868	-0.070	+0.019	1690	136	23576	485		1969	3275
3276	86°68'	3	114 17 13.93	+19.865	-0.071				23580				3276
3277	83°37'	3	91 42 42.06	+19.865	-0.070	+0.140			23581	490			3277
3278	83°26'	3	97 41 38.36	+19.862	-0.071				23590	494			3278
3279	84°02'	3	116 31 50.09	+19.860	-0.072	+0.100		140	23593		7000	1971	3279
3280	89°93'	3	101 46 51.55	+19.850	-0.073				23609	506			3280
3281	84°60'	3	107 38 45.05	+19.845	-0.074				23617			1973	3281
3282	84°31'	3	93 46 5.80	+19.844	-0.073			143		518			3282
3283	80°31'	4	119 49 2.14	+19.843	-0.075						7006		3283
3284	91°69'	3	112 0 44.37	+19.843	-0.075								3284
3285	85°35'	3	90 14 56.72	+19.841	-0.073				23625	522			3285

3242, 3253, 3259, 3263, 3265, are respectively 2869, 2878, 2879, 2882, 2884 of the Radcliffe Catalogue, 1845.
 3241, 3242, 3244, 3245, 3250, 3253, 3259, 3263, 3265, 3275, are respectively 1193, 1194, 1196, 1197, 1200, 1201, 1204, 1205, 1208, 1214 of the Radcliffe Catalogue, 1860.
 3244, 3277, 3279. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.	s.	s.	s.	
3286	26 Virginis X	5	2	82.77	4	12	33	34.050	+ 3.0978	+ 0.0077	- 0.0069	3286
3287	Virginis	7-6	7	83.69	3	12	33	50.205	+ 3.0914	+ 0.0067		3287
3288	Virginis	8-7	1	91.33	3	12	34	14.693	+ 3.0811	+ 0.0051		3288
3289	Virginis	7-6	3	82.26	3	12	34	52.259	+ 3.1211	+ 0.0112		3289
3290	Virginis	8-7	...	88.65	3	12	34	59.542	+ 3.1005	+ 0.0080		3290
3291	Virginis	8-7	1	91.62	3	12	35	27.052	+ 3.1038	+ 0.0084		3291
3292	Virginis	6	2	84.38	3	12	35	33.032	+ 3.1179	+ 0.0106	- 0.0120	3292
3293	Virginis	6	2	84.38	3	12	35	33.383	+ 3.1180	+ 0.0106	- 0.0120	3293
3294	Corvi	8	1	89.66	3	12	35	43.986	+ 3.1481	+ 0.0151		3294
3295	Corvi	6-7	3	83.66	3	12	36	3.999	+ 3.1453	+ 0.0146		3295
3296	29 Virginis γ^1	3-4	...	81.59	8	12	36	5.081	+ 3.0756	+ 0.0043	- 0.0385	3296
3297	29 Virginis γ^2	3-4	...	81.30	4	12	36	5.177	+ 3.0756	+ 0.0043	- 0.0385	3297
3298	28 Virginis	7	2	85.95	3	12	36	16.309	+ 3.0980	+ 0.0076	- 0.0012	3298
3299	30 Virginis ρ	5-4	2	87.14	26	12	36	19.010	+ 3.0321	- 0.0016	+ 0.0033	3299
3300	Virginis	8	2	85.38	3	12	36	32.419	+ 3.1273	+ 0.0119		3300
3301	Virginis	8	3	85.31	3	12	36	39.913	+ 3.1281	+ 0.0119		3301
3302	Corvi	7	4	86.35	3	12	37	22.956	+ 3.1709	+ 0.0181		3302
3303	Virginis	7	2	86.30	3	12	37	48.910	+ 3.1242	+ 0.0112		3303
3304	Virginis	6	2	85.20	3	12	37	58.974	+ 3.0762	+ 0.0045		3304
3305	Virginis	7-6	3	84.32	3	12	38	3.885	+ 3.1171	+ 0.0101		3305
3306	Virginis	7-8	1	92.33	3	12	38	6.481	+ 3.1082	+ 0.0089		3306
3307	Hydræ	6-7	1	83.84	4	12	38	8.668	+ 3.1889	+ 0.0206		3307
3308	Virginis	7	2	82.39	4	12	38	11.595	+ 3.1218	+ 0.0108		3308
3309	Virginis	7-6	3	85.35	3	12	38	32.479	+ 3.0812	+ 0.0052		3309
3310	Corvi	7	2	87.01	3	12	38	56.348	+ 3.1424	+ 0.0135		3310
3311	Corvi	8-9	2	92.01	3	12	39	16.645	+ 3.1355	+ 0.0126		3311
3312	Virginis	8-9	1	92.32	3	12	39	17.622	+ 3.1043	+ 0.0082		3312
3313	Canum Venaticorum...	7-6	1	84.03	3	12	39	21.208	+ 2.8540	- 0.0200		3313
3314	Virginis	8-7	2	83.29	2	12	39	37.693	+ 3.0857	+ 0.0058		3314
3315	Virginis	7	2	83.31	3	12	39	37.913	+ 3.0857	+ 0.0058		3315
3316	Corvi	8	1	92.33	3	12	39	45.158	+ 3.1544	+ 0.0150		3316
3317	Virginis	7	2	87.96	3	12	39	51.960	+ 3.0895	+ 0.0063		3317
3318	Corvi	7	2	89.25	3	12	40	3.597	+ 3.1625	+ 0.0161		3318
3319	Virginis	8-9	1	92.33	3	12	40	28.999	+ 3.1293	+ 0.0115		3319
3320	Virginis	7	3	86.74	5	12	40	49.083	+ 3.1194	+ 0.0102	- 0.0220	3320
3321	Hydræ	6	...	86.37	4	12	40	49.701	+ 3.2247	+ 0.0248		3321
3322	27 Comæ	5*	...	88.72	3	12	41	9.108	+ 2.9987	- 0.0045		3322
3323	Virginis	7-8	2	91.93	5	12	41	23.894	+ 3.1089	+ 0.0087		3323
3324	Corvi	7-6	1	89.32	3	12	41	33.967	+ 3.1527	+ 0.0144		3324
3325	Virginis	6-7	2	84.39	3	12	41	52.333	+ 3.0967	+ 0.0072		3325
3326	Corvi	6-7	2	87.00	3	12	42	2.731	+ 3.1823	+ 0.0183		3326
3327	35 Virginis	6-7	5	85.58	22	12	42	15.364	+ 3.0546	+ 0.0021	- 0.0030	3327
3328	Hydræ	6	...	81.08	4	12	42	34.485	+ 3.1983	+ 0.0203		3328
3329	7 Draconis	6*	...	88.37	3	12	43	4.460	+ 2.4726	- 0.0385	0.0000	3329
3330	Corvi	8-7	1	92.27	3	12	43	11.273	+ 3.1769	+ 0.0172		3330

3287. Reddish star.

3327. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
3286	82.77	4	97 23 23.43	+ 19.838	- 0.074	+ 0.021	1694	146	23634	527		1976	3286
3287	83.69	3	95 29 44.18	+ 19.835	- 0.075			152	23649	532			3287
3288	91.33	3	92 27 41.05	+ 19.829	- 0.075				23655	537			3288
3289	82.26	3	103 29 44.07	+ 19.821	- 0.078				23659	547			3289
3290	88.65	3	97 50 23.66	+ 19.820	- 0.077				23664	549			3290
3291	91.62	3	98 38 29.58	+ 19.814	- 0.078								3291
3292	84.38	3	102 24 36.62	+ 19.812	- 0.079	- 0.020			23675	559		1980	3292
3293	84.38	3	102 24 39.99	+ 19.812	- 0.079	- 0.020			23676	560		1981	3293
3294	89.66	3	110 0 46.39	+ 19.810	- 0.080				23677				3294
3295	83.66	3	109 9 20.14	+ 19.805	- 0.080				23683				3295
3296	81.37	11	90 50 42.43	+ 19.805	- 0.079	- 0.015	1698	157	23687	568	7027	1982	3296
3297	81.29	12	90 50 47.70	+ 19.805	- 0.079	- 0.015	1699	158	23687	568	7028	1983	3297
3298	85.95	3	96 53 42.09	+ 19.802	- 0.080	+ 0.028	1700	159	23691	570		1984	3298
3299	83.75	5	79 9 29.30	+ 19.802	- 0.078	+ 0.088	1701	160		575	7030	1985	3299
3300	85.38	3	104 28 41.58	+ 19.799	- 0.081				23702	577			3300
3301	85.31	3	104 38 2.30	+ 19.797	- 0.081				23704	581			3301
3302	86.35	3	114 23 13.64	+ 19.787	- 0.084				23713		7037		3302
3303	86.30	3	103 15 20.90	+ 19.781	- 0.083				23726	600		1987	3303
3304	85.20	3	90 58 17.35	+ 19.778	- 0.083				23732	603			3304
3305	84.32	3	101 24 38.13	+ 19.777	- 0.084				23733	606			3305
3306	92.33	3	99 9 54.49	+ 19.777	- 0.084				23737	608			3306
3307	83.69	3	117 43 11.45	+ 19.776	- 0.086			168			7043	1988	3307
3308	82.39	4	102 32 19.85	+ 19.775	- 0.084					610			3308
3309	85.35	3	92 14 22.68	+ 19.770	- 0.084			170	23744	619			3309
3310	87.01	3	107 10 29.14	+ 19.764	- 0.086				23753				3310
3311	92.01	3	105 26 28.79	+ 19.759	- 0.087				23759				3311
3312	92.32	3	97 55 46.40	+ 19.759	- 0.086				23760	630			3312
3313	84.03	3	46 16 16.01	+ 19.758	- 0.080				23771				3313
3314	83.29	2	93 16 54.28	+ 19.754	- 0.086				23767	635			3314
3315	83.31	3	93 17 10.22	+ 19.754	- 0.086				23768	636			3315
3316	92.33	3	109 32 36.71	+ 19.752	- 0.088				23769				3316
3317	87.96	3	94 12 33.14	+ 19.751	- 0.087				23781	642			3317
3318	89.25	3	111 9 58.01	+ 19.747	- 0.089				23783				3318
3319	92.33	3	103 34 57.22	+ 19.741	- 0.089								3319
3320	87.01	3	101 12 43.72	+ 19.736	- 0.089	- 0.030			23806	656			3320
3321	87.05	3	122 42 46.99	+ 19.736	- 0.092						7058		3321
3322	84.91	5	72 49 17.41	+ 19.731	- 0.087			177	23818			1993	3322
3323	92.16	6	98 36 46.58	+ 19.727	- 0.090				23821	668			3323
3324	89.32	3	108 24 11.35	+ 19.724	- 0.091				23823				3324
3325	84.39	3	95 41 57.98	+ 19.719	- 0.091			183	23839	678		1995	3325
3326	87.00	3	114 15 6.94	+ 19.717	- 0.093				23844		7066		3326
3327	83.06	9	85 49 35.43	+ 19.713	- 0.090	+ 0.006	1708	184	23854	682	7068	1996	3327
3328	80.94	5	116 59 41.14	+ 19.708	- 0.094						7072	1997	3328
3329	85.15	5	22 36 32.90	+ 19.700	- 0.076	+ 0.004	1713	190				1999	3329
3330	92.27	3	112 38 19.72	+ 19.698	- 0.095								3330

3286, 3296, 3297, 3313, 3329, are respectively 2892, 2898, 2899, 2908, 2915 of the Radcliffe Catalogue, 1845.
 3286, 3296, 3297, 3298, 3327, 3329, are respectively 1217, 1220, 1221, 1222, 1229, 1230 of the Radcliffe Catalogue, 1860.
 3292, 3293, 3320. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
3331	Virginis	7-8	...	90°98	3	12	43	17.894	+ 3.1106	+ 0.0089		3331
3332	Virginis	6-7	2	82.28	3	12	43	59.268	+ 3.1422	+ 0.0126		3332
3333	Virginis	7	4	85.36	3	12	44	1.104	+ 3.1384	+ 0.0122		3333
3334	Virginis	7	3	83.38	3	12	44	25.043	+ 3.1043	+ 0.0081	- 0.0150	3334
3335	Centauri	6-5	...	81.32	4	12	44	42.941	+ 3.2434	+ 0.0257		3335
3336	Virginis	7	1	91.37	3	12	44	43.584	+ 3.1297	+ 0.0111		3336
3337	Virginis	9-10	1	92.03	3	12	44	45.135	+ 3.0780	+ 0.0050		3337
3338	Virginis	8-9	1	92.35	3	12	45	4.401	+ 3.0867	+ 0.0060		3338
3339	Virginis	8	1	92.32	3	12	45	5.431	+ 3.0732	+ 0.0045	- 0.0030	3339
3340	Corvi	9-8	1	92.33	3	12	45	10.878	+ 3.1711	+ 0.0161		3340
3341	Corvi	8	2	92.01	3	12	45	33.507	+ 3.1498	+ 0.0133		3341
3342	Virginis	6-7	1	84.28	3	12	45	39.499	+ 3.1179	+ 0.0096		3342
3343	Hydræ	6-7	...	85.68	3	12	46	4.987	+ 3.2035	+ 0.0200		3343
3344	31 Comæ	5-6	2	85.04	19	12	46	20.469	+ 2.9289	- 0.0097	- 0.0027	3344
3345	Virginis	8-9	...	92.29	3	12	46	31.424	+ 3.0984	+ 0.0073		3345
3346	Corvi	7	1	90.12	3	12	46	42.703	+ 3.1848	+ 0.0174		3346
3347	Virginis	8-7	3	85.32	3	12	47	23.166	+ 3.1428	+ 0.0123		3347
3348	Corvi	8	3	86.33	3	12	47	24.031	+ 3.1612	+ 0.0145	+ 0.0200	3348
3349	38 Virginis	6-7	4	84.13	5	12	47	33.180	+ 3.0867	+ 0.0060	- 0.0174	3349
3350	39 Virginis	7	1	87.29	3	12	47	53.755	+ 3.1138	+ 0.0090		3350
3351	Virginis	8	...	92.34	3	12	47	54.332	+ 3.1077	+ 0.0084		3351
3352	Virginis	7-6	3	85.25	3	12	47	57.624	+ 3.0901	+ 0.0065		3352
3353	Corvi	7	1	88.85	2	12	48	11.969	+ 3.1602	+ 0.0141		3353
3354	Virginis	7-6	1	86.32	3	12	48	35.073	+ 3.1274	+ 0.0105		3354
3355	40 Virginis ψ	5*	...	81.84	7	12	48	37.818	+ 3.1168	+ 0.0093	- 0.0035	3355
3356	Corvi	7-6	2	89.34	4	12	48	40.386	+ 3.1723	+ 0.0155		3356
3357	Hydræ	7	2	88.30	3	12	49	17.483	+ 3.2017	+ 0.0189		3357
3358	Virginis	7-8	...	89.38	3	12	49	21.192	+ 3.1377	+ 0.0116		3358
3359	Hydræ	7-6	...	81.68	3	12	49	34.996	+ 3.2347	+ 0.0228		3359
3360	43 Virginis δ	3-4	1	85.15	37	12	50	3.761	+ 3.0523	+ 0.0027	- 0.0336	3360
3361	Virginis	6-7	2	84.37	3	12	50	6.124	+ 3.1487	+ 0.0126		3361
3362	Virginis	8	2	91.61	3	12	50	19.210	+ 3.1576	+ 0.0136		3362
3363	Corvi	7-8	2	91.69	3	12	50	28.023	+ 3.1733	+ 0.0153		3363
3364	Virginis	7	3	83.34	3	12	50	34.582	+ 3.0943	+ 0.0069		3364
3365	Virginis	7	2	87.01	3	12	50	39.517	+ 3.1475	+ 0.0124		3365
3366	Virginis	7-6	1	85.36	3	12	50	47.855	+ 3.0743	+ 0.0049		3366
3367	12 Canum Venaticorum α	3*	...	86.88	3	12	50	53.043	+ 2.8349	- 0.0151	- 0.0220	3367
3368	Corvi	7-8	1	86.98	3	12	51	18.606	+ 3.1899	+ 0.0170		3368
3369	Virginis	7-6	1	89.07	3	12	51	27.468	+ 3.1329	+ 0.0108		3369
3370	Virginis	7	1	84.38	3	12	51	35.629	+ 3.1161	+ 0.0091		3370
3371	Hydræ	7-6	2	88.66	3	12	51	41.064	+ 3.1942	+ 0.0174		3371
3372	Canum Venaticorum...	6*	...	83.33	3	12	52	6.580	+ 2.7518	- 0.0196		3372
3373	Virginis	7	3	85.34	3	12	52	17.613	+ 3.1501	+ 0.0126		3373
3374	Hydræ	7	1	89.69	3	12	52	17.916	+ 3.1975	+ 0.0177		3374
3375	Virginis	7	...	89.05	3	12	52	53.806	+ 3.1066	+ 0.0081		3375

3353. A star of the 8 magnitude, Lalande 24020, precedes 1^s.5.

3360. Reddish star.

3369. Reddish star.

3357. Reddish-yellow star.

3364. Close double; the companion, of the 9-8 magnitude, follows, and is south.

3372. Lalande's N. P. D. is about 10" too small.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
3331	90.98	3	98 37 8.48	+ 19.696	- 0.094				23884	701			3331
3332	82.28	3	105 16 56.13	+ 19.685	- 0.096				23901	715			3332
3333	85.36	3	104 28 44.62	+ 19.684	- 0.096				23905	717			3333
3334	83.38	3	97 1 58.88	+ 19.678	- 0.096	0.000		193	23922				3334
3335	80.32	3	123 23 57.17	+ 19.673	- 0.100			194			7084		3335
3336	91.37	3	102 26 5.92	+ 19.673	- 0.097				23927	728			3336
3337	92.03	3	91 13 31.55	+ 19.672	- 0.096					729			3337
3338	92.35	3	93 6 28.60	+ 19.667	- 0.096					734			3338
3339	92.32	3	90 9 23.76	+ 19.666	- 0.096	+ 0.400			23938	736			3339
3340	92.33	3	110 38 28.53	+ 19.664	- 0.099								3340
3341	92.01	3	106 19 3.12	+ 19.658	- 0.099								3341
3342	84.28	3	99 44 21.03	+ 19.657	- 0.098			196	23948	750			3342
3343	84.36	4	116 8 26.44	+ 19.649	- 0.102						7093		3343
3344	82.36	5	61 51 37.80	+ 19.644	- 0.094	+ 0.018	1715	200	23973		7094	2005	3344
3345	92.29	3	95 29 26.17	+ 19.641	- 0.100				23972	761			3345
3346	90.12	3	112 32 17.33	+ 19.638	- 0.102				23976				3346
3347	85.32	3	104 22 6.50	+ 19.626	- 0.103			207	23999	774			3347
3348	86.33	3	107 54 0.16	+ 19.626	- 0.103	+ 0.820			23995				3348
3349	84.13	5	92 57 17.81	+ 19.623	- 0.101	+ 0.007	1718	208	24005	778		2006	3349
3350	87.29	3	98 27 54.88	+ 19.616	- 0.103			210	24011	783			3350
3351	92.34	3	97 14 29.19	+ 19.616	- 0.102					784			3351
3352	85.25	3	93 37 29.82	+ 19.615	- 0.102				24015	785			3352
3353	88.85	2	107 26 24.80	+ 19.611	- 0.105				24021				3353
3354	86.32	3	101 3 5.07	+ 19.604	- 0.104				24034	793		2010	3354
3355	81.84	7	98 56 27.87	+ 19.603	- 0.104	+ 0.017	1721	214	24035			2011	3355
3356	89.34	4	109 30 3.87	+ 19.602	- 0.106								3356
3357	88.30	3	114 21 30.88	+ 19.592	- 0.108				24048				3357
3358	89.38	3	102 51 21.53	+ 19.590	- 0.106				24055	806			3358
3359	80.37	3	119 28 22.63	+ 19.585	- 0.110						7120		3359
3360	82.85	16	86 0 16.42	+ 19.576	- 0.105	+ 0.047	1723	223	24078	827	7123	2017	3360
3361	84.37	3	104 43 50.71	+ 19.576	- 0.108				24066	821			3361
3362	91.61	3	106 17 44.72	+ 19.572	- 0.109				24080				3362
3363	91.69	3	109 2 8.21	+ 19.569	- 0.110				24082				3363
3364	83.34	3	94 16 5.22	+ 19.567	- 0.107					831			3364
3365	87.01	3	104 21 8.23	+ 19.565	- 0.109				24090	834			3365
3366	85.36	3	90 21 19.97	+ 19.562	- 0.107				24098	835			3366
3367	83.37	23	51 5 14.04	+ 19.561	- 0.099	- 0.066	1725	226	24112		7132	2020	3367
3368	86.98	3	111 34 32.54	+ 19.552	- 0.112			225	24108				3368
3369	89.07	3	101 28 16.23	+ 19.550	- 0.110				24116	849			3369
3370	84.38	3	98 18 54.99	+ 19.547	- 0.110				24119	850			3370
3371	88.66	3	112 9 28.28	+ 19.545	- 0.113				24118				3371
3372	83.33	3	43 13 33.90	+ 19.537	- 0.099				24144			2022	3372
3373	85.34	3	104 23 23.92	+ 19.533	- 0.112				24133	859			3373
3374	89.69	3	112 27 35.91	+ 19.533	- 0.114			229	24130				3374
3375	89.05	3	96 21 14.23	+ 19.521	- 0.112				24151	869			3375

3355, 3360, 3367, 3372, are respectively 2924, 2927, 2933, 2941 of the Radcliffe Catalogue, 1845.
 3334, 3349, 3355, 3360, 3367, are respectively 1232, 1238, 1239, 1243, 1246 of the Radcliffe Catalogue, 1860.
 3334, 3339. The Proper Motions have been determined in the formation of the present Catalogue.
 3348. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
3376	Virginis	7	2	83.38	3	12	53	0.126	+ 3.0849	+ 0.0060		3376
3377	Corvi	7	2	84.34	3	12	53	5.691	+ 3.1900	+ 0.0167		3377
3378	Virginis	7-8	...	91.66	3	12	53	18.578	+ 3.1022	+ 0.0076		3378
3379	Virginis	8	1	91.68	3	12	53	20.733	+ 3.0805	+ 0.0056		3379
3380	Virginis	8-7	1	91.63	3	12	53	23.543	+ 3.1227	+ 0.0097	- 0.0573	3380
3381	Corvi	7-8	3	85.30	3	12	53	58.063	+ 3.1842	+ 0.0159		3381
3382	44 Virginis <i>k</i>	6	4	84.59	4	12	53	59.494	+ 3.0900	+ 0.0065	- 0.0036	3382
3383	Hydræ	8-7	...	86.37	4	12	54	19.269	+ 3.2078	+ 0.0184		3383
3384	Centauri	6-7	...	81.32	4	12	54	31.266	+ 3.2764	+ 0.0260		3384
3385	Virginis	8-7	2	92.02	3	12	54	38.129	+ 3.1471	+ 0.0119		3385
3386	Virginis	7-8	2	91.60	3	12	54	45.981	+ 3.1198	+ 0.0093		3386
3387	46 Virginis	6-7	1	83.35	3	12	54	55.980	+ 3.0879	+ 0.0063	- 0.0041	3387
3388	Virginis	7-8	2	89.04	3	12	55	21.179	+ 3.1735	+ 0.0146		3388
3389	Hydræ	7	2	89.32	3	12	55	41.230	+ 3.2162	+ 0.0190		3389
3390	78 Ursæ Majoris	5-6	...	88.69	3	12	56	0.419	+ 2.5753	- 0.0250	+ 0.0072	3390
3391	Hydræ	7-6	...	81.00	3	12	56	26.652	+ 3.2508	+ 0.0225		3391
3392	47 Virginis <i>ε</i>	2-3	2	84.31	27	12	56	42.105	+ 3.0056	- 0.0007	- 0.0192	3392
3393	Virginis	8-7	...	91.99	3	12	57	8.162	+ 3.1689	+ 0.0139		3393
3394	Virginis	8-9	1	92.34	3	12	57	40.627	+ 3.1066	+ 0.0081		3394
3395	Virginis	8	2	92.01	3	12	57	51.518	+ 3.1374	+ 0.0109		3395
3396	Corvi	6	1	84.39	3	12	57	52.515	+ 3.1940	+ 0.0163		3396
3397	Virginis	7-8	4	87.36	3	12	58	9.725	+ 3.0993	+ 0.0074	- 0.0140	3397
3398	48 Virginis	7-6	2	84.51	4	12	58	14.228	+ 3.0905	+ 0.0067	- 0.0060	3398
3399	Virginis	7-8	2	85.29	3	12	59	0.090	+ 3.0733	+ 0.0052		3399
3400	Virginis	8	2	91.65	3	12	59	3.320	+ 3.1203	+ 0.0093		3400
3401	Hydræ	7-8	3	86.61	3	12	59	41.739	+ 3.2080	+ 0.0174		3401
3402	Virginis	7	2	85.69	3	12	59	55.018	+ 3.1826	+ 0.0149		3402
3403	Virginis	7-6	...	89.35	3	13	0	3.900	+ 3.1558	+ 0.0123		3403
3404	Virginis	8-9	3	91.59	3	13	0	7.116	+ 3.1155	+ 0.0088		3404
3405	Centauri	7-6	...	86.31	3	13	0	35.391	+ 3.2825	+ 0.0248		3405
3406	14 Canum Venaticorum	5*	...	89.41	3	13	0	35.767	+ 2.8150	- 0.0124	- 0.0029	3406
3407	Virginis	7-8	4	85.33	3	13	0	38.681	+ 3.1618	+ 0.0129		3407
3408	Centauri	6	...	...	...	13	0	46.860	+ 3.3204	+ 0.0287		3408
3409	41 Comæ	5	1	84.01	3	13	1	54.118	+ 2.8811	- 0.0082	+ 0.0004	3409
3410	Virginis	8-7	...	92.32	3	13	2	0.010	+ 3.1917	+ 0.0154		3410
3411	49 Virginis <i>g</i>	6-5	1	82.28	4	13	2	8.011	+ 3.1366	+ 0.0107	- 0.0002	3411
3412	Virginis	8-7	...	92.33	3	13	2	18.626	+ 3.1523	+ 0.0119		3412
3413	Hydræ	8-7	1	92.35	3	13	2	44.405	+ 3.2277	+ 0.0188		3413
3414	Hydræ	7	2	84.36	3	13	2	44.675	+ 3.2224	+ 0.0183		3414
3415	Virginis	6-5	3	83.61	4	13	2	48.327	+ 3.1259	+ 0.0097		3415
3416	Virginis	8-9	...	92.35	3	13	2	50.283	+ 3.0857	+ 0.0064		3416
3417	45 Hydræ <i>ψ</i>	5-6*	...	84.35	3	13	3	7.657	+ 3.2233	+ 0.0183	- 0.0042	3417
3418	Virginis	6-7	1	86.33	3	13	3	29.674	+ 3.1301	+ 0.0100		3418
3419	Virginis	7-8	3	85.37	3	13	3	37.014	+ 3.2025	+ 0.0162		3419
3420	Virginis	7-6	1	84.33	3	13	3	52.296	+ 3.1775	+ 0.0140		3420

3392. Yellowish-red star.

3394. A very close double star : observed as one mass.

3408. The R. A. has been supplied from the Cape Catalogue, 1880.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3376	83°38	3	92 18 31.04	+ 19.519	- 0.112				24155	870			3376
3377	86°01	3	110 57 5.75	+ 19.517	- 0.115			234	24154				3377
3378	91°66	3	95 29 46.34	+ 19.513	- 0.113				24161	875			3378
3379	91°68	3	91 29 8.19	+ 19.512	- 0.112				24164	878			3379
3380	91°63	3	99 14 45.26	+ 19.511	- 0.114	- 0.165			24168	880		2023	3380
3381	85°30	3	109 41 49.44	+ 19.500	- 0.117				24183				3381
3382	84°59	4	93 13 5.86	+ 19.499	- 0.114	- 0.010	1729	237	24185	889		2025	3382
3383	86°37	3	113 19 11.03	+ 19.493	- 0.118				24192				3383
3384	80°30	4	122 54 34.36	+ 19.488	- 0.121			238			7158		3384
3385	92°02	3	103 18 0.17	+ 19.486	- 0.117				24200	903			3385
3386	91°60	3	98 30 21.09	+ 19.483	- 0.116				24204	908			3386
3387	83°35	3	92 46 36.09	+ 19.480	- 0.115	- 0.064	1732	241	24206	909		2027	3387
3388	89°04	3	107 31 46.60	+ 19.471	- 0.119								3388
3389	89°32	3	114 4 22.72	+ 19.464	- 0.121				24225		7173		3389
3390	84°37	4	33 2 26.18	+ 19.457	- 0.099	+ 0.020	1736	248				2031	3390
3391	81°00	3	118 40 24.73	+ 19.448	- 0.124						7177		3391
3392	81°46	16	78 26 57.39	+ 19.442	- 0.116	- 0.029	1735	249	24250	940	7178	2032	3392
3393	91°99	3	106 17 21.76	+ 19.434	- 0.122				24253				3393
3394	92°59	4	95 50 28.56	+ 19.421	- 0.121				24274	959			3394
3395	92°01	3	100 59 19.62	+ 19.417	- 0.123				24283	961			3395
3396	84°39	3	109 59 33.69	+ 19.417	- 0.125				24275			2034	3396
3397	87°36	3	94 33 50.43	+ 19.411	- 0.122	+ 0.200			24293	966			3397
3398	84°51	4	93 4 16.24	+ 19.409	- 0.122	+ 0.018	1738	254	24295	968	7188	2035	3398
3399	85°29	3	90 8 12.84	+ 19.392	- 0.122				24306				3399
3400	91°65	3	97 58 47.82	+ 19.391	- 0.124				24305	983			3400
3401	86°61	3	111 28 50.05	+ 19.376	- 0.129				24314				3401
3402	85°69	3	107 40 10.62	+ 19.371	- 0.128				24320				3402
3403	89°35	3	103 31 19.11	+ 19.368	- 0.128								3403
3404	91°59	3	97 4 9.54	+ 19.367	- 0.126								3404
3405	90°31	1	121 1 17.53	+ 19.357	- 0.133						7209		3405
3406	87°37	4	53 36 43.97	+ 19.356	- 0.116	- 0.019	1739	266	24347				3406
3407	85°33	3	104 19 37.91	+ 19.355	- 0.129			262	24337	1009			3407
3408	84°32	3	125 16 18.29	+ 19.353	- 0.135						7210	2037	3408
3409	81°91	7	61 47 4.29	+ 19.326	- 0.120	+ 0.084	1743	273	24379				3409
3410	92°32	3	108 26 51.09	+ 19.324	- 0.133				24367				3410
3411	82°28	4	100 9 6.95	+ 19.321	- 0.131	- 0.008	1742	272	24375	1035		2040	3411
3412	92°33	3	102 31 47.35	+ 19.316	- 0.132					1039			3412
3413	92°35	3	113 14 4.51	+ 19.306	- 0.136				24389				3413
3414	84°36	3	112 31 2.61	+ 19.306	- 0.135			274	24390				3414
3415	83°61	4	98 23 41.13	+ 19.305	- 0.132				24399	1050		2042	3415
3416	92°35	3	92 5 31.52	+ 19.304	- 0.130				24401	1053			3416
3417	84°35	3	112 31 46.48	+ 19.297	- 0.136	+ 0.040	1744	276	24405		7224	2043	3417
3418	86°33	3	98 57 2.96	+ 19.288	- 0.133				24418	4			3418
3419	85°37	3	109 32 10.09	+ 19.285	- 0.136				24420				3419
3420	84°33	3	105 55 42.32	+ 19.279	- 0.136								3420

3390, 3411, are respectively 2949, 2962 of the Radcliffe Catalogue, 1845.
 3390, 3392, 3411, are respectively 1255, 1256, 1257 of the Radcliffe Catalogue, 1860.
 3380. The Proper Motions have been taken from Bonn Obs., Vol. VII.
 3397. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.				Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
									h.	m.	s.	s.	s.	s.	
3421	50	Virginis	...	...	6-7	3	86.33	3	13	3	59.734	+ 3.1358	+ 0.0104	- 0.0007	3421
3422		Virginis	...	...	7-8	...	91.99	3	13	4	2.951	+ 3.1182	+ 0.0090		3422
3423		Virginis	...	...	9	6	89.02	3	13	4	15.004	+ 3.1045	+ 0.0079		3423
3424	51	Virginis	...	...	θ	7	85.23	67	13	4	15.251	+ 3.1045	+ 0.0079	- 0.0043	3424
3425		Hydræ	...	...	8-9	...	92.60	4	13	4	24.209	+ 3.2410	+ 0.0198		3425
3426	42	Comæ	...	...	α	4-5*	89.70	3	13	4	38.148	+ 2.9508	- 0.0033	- 0.0326	3426
3427		Virginis	...	...	7-6	1	84.39	3	13	5	14.313	+ 3.1837	+ 0.0144		3427
3428		Centauri	...	...	7-6	...	90.32	1	13	5	22.144	+ 3.3315	+ 0.0284		3428
3429		Virginis	...	...	7	1	90.57	4	13	5	33.646	+ 3.1622	+ 0.0125		3429
3430		Virginis	...	...	7	2	89.37	3	13	5	54.528	+ 3.1437	+ 0.0110		3430
3431	53	Virginis	...	...	6-5	1	83.74	3	13	6	12.194	+ 3.1789	+ 0.0139	+ 0.0039	3431
3432		Corvi	...	...	8	2	91.70	3	13	6	15.492	+ 3.2135	+ 0.0169		3432
3433		Virginis	...	...	7-8	...	92.35	3	13	7	6.820	+ 3.0804	+ 0.0061		3433
3434		Virginis	...	...	8-9	1	92.03	3	13	7	7.856	+ 3.0948	+ 0.0072		3434
3435		Virginis	...	...	9-8	2	92.03	3	13	7	29.185	+ 3.1294	+ 0.0099		3435
3436	54	Virginis	...	...	7-8	3	85.38	4	13	7	33.940	+ 3.2005	+ 0.0156	- 0.0059	3436
3437		Virginis	...	...	8	3	85.38	4	13	7	34.148	+ 3.2005	+ 0.0156	- 0.0059	3437
3438		Virginis	...	...	7-8	1	88.70	3	13	7	34.811	+ 3.0859	+ 0.0065		3438
3439		Hydræ	...	...	8-7	1	92.31	3	13	8	5.076	+ 3.2289	+ 0.0180		3439
3440	55	Virginis	...	...	6-5	4	84.38	4	13	8	17.627	+ 3.2104	+ 0.0164	- 0.0096	3440
3441		Virginis	...	...	8	1	91.69	3	13	8	20.800	+ 3.1683	+ 0.0129		3441
3442		Hydræ	...	...	7	...	90.08	3	13	8	29.906	+ 3.2453	+ 0.0194		3442
3443	56	Virginis	...	...	7-6	3	86.33	3	13	8	59.095	+ 3.1409	+ 0.0106	- 0.0032	3443
3444		Virginis	...	...	7	1	89.01	3	13	9	10.182	+ 3.1481	+ 0.0112	- 0.0161	3444
3445		Virginis	...	...	8	2	89.02	3	13	9	13.819	+ 3.1481	+ 0.0112	- 0.0020	3445
3446	57	Virginis	...	...	6-5	4	86.56	6	13	10	1.789	+ 3.2138	+ 0.0165	+ 0.0195	3446
3447		Virginis	...	...	7	2	89.66	3	13	10	5.878	+ 3.1564	+ 0.0118		3447
3448		Virginis	...	...	9-8	...	92.35	3	13	10	17.393	+ 3.0903	+ 0.0069		3448
3449		Virginis	...	...	7-8	...	92.01	3	13	10	21.226	+ 3.1085	+ 0.0083		3449
3450		Virginis	...	...	7-6	3	84.70	3	13	10	46.833	+ 3.0782	+ 0.0061		3450
3451		Virginis	...	...	7-8	...	92.26	3	13	11	6.185	+ 3.1179	+ 0.0089		3451
3452		Virginis	...	...	7	...	90.03	3	13	11	9.999	+ 3.1636	+ 0.0123		3452
3453		Hydræ	...	...	8	1	92.03	3	13	11	27.607	+ 3.2296	+ 0.0175		3453
3454		Virginis	...	...	7	3	89.08	3	13	11	35.016	+ 3.1516	+ 0.0113		3454
3455		Virginis	...	...	7	3	86.34	3	13	11	41.063	+ 3.1825	+ 0.0137		3455
3456	58	Virginis	...	...	7	...	90.36	3	13	11	41.317	+ 3.1448	+ 0.0108	- 0.0075	3456
3457		Virginis	...	...	6-7	3	87.04	3	13	11	52.055	+ 3.0732	+ 0.0057		3457
3458		Virginis	...	...	7	2	89.37	3	13	11	58.856	+ 3.1317	+ 0.0099		3458
3459	61	Virginis	...	...	5-6	3	83.87	4	13	12	38.995	+ 3.2055	+ 0.0155	- 0.0762	3459
3460		Virginis	...	...	7-8	1	91.70	3	13	12	52.561	+ 3.1968	+ 0.0148		3460
3461	46	Hydræ	...	...	γ	3	87.32	3	13	12	56.349	+ 3.2465	+ 0.0188	+ 0.0024	3461
3462	62	Virginis	...	...	7	3	84.37	3	13	14	33.221	+ 3.1534	+ 0.0114	- 0.0109	3462
3463		Hydræ	...	...	7	...	90.06	3	13	14	46.443	+ 3.2560	+ 0.0193		3463
3464		Hydræ	...	...	7	3	87.03	3	13	15	4.803	+ 3.2631	+ 0.0198		3464
3465		Hydræ	...	...	7	1	89.67	3	13	15	25.110	+ 3.2490	+ 0.0186		3465

3449. The R.A. of this star in Weisse's Bessel is about 12° too great.

3456. The N.P.D. of this star in the Radcliffe Catalogue, 1860, is 5° too small.

3459. Reddish star.

3463. Reddish star.

3464. Reddish-yellow star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
3421	86.33	3	99 44 31.91	+19.276	-0.134	+0.019	1746	280	24434	12			3421
3422	91.99	3	97 4 57.1	+19.275	-0.134					13			3422
3423	87.12	4	94 56 58.49	+19.270	-0.134					16			3423
3424	82.62	17	94 57 4.83	+19.270	-0.134	+0.037	1747	281	24448	17	7228	2045	3424
3425	92.60	4	114 26 34.59	+19.266	-0.139				24443				3425
3426	85.60	4	71 53 18.27	+19.261	-0.128	-0.146	1748	2				2046	3426
3427	84.39	3	106 30 11.92	+19.246	-0.139				24471				3427
3428	85.32	2	124 32 44.83	+19.242	-0.145						7239		3428
3429	91.12	5	103 22 32.75	+19.238	-0.138				24488				3429
3430	89.37	3	100 38 10.79	+19.229	-0.138				24494	42			3430
3431	83.74	3	105 36 17.43	+19.222	-0.140	+0.279	1752	9	24500	48		2049	3431
3432	91.70	3	110 17 57.61	+19.221	-0.142								3432
3433	92.35	3	91 10 25.26	+19.200	-0.138					67			3433
3434	92.03	3	93 18 37.30	+19.199	-0.139				24521	66			3434
3435	92.03	3	98 20 51.45	+19.190	-0.141					72			3435
3436	85.38	3	108 14 32.06	+19.188	-0.144	+0.005	1754	17	24533				3436
3437	85.38	3	108 14 27.34	+19.188	-0.144	+0.005	1754	17	24534				3437
3438	88.70	3	91 58 16.47	+19.187	-0.139				24542				3438
3439	92.31	3	111 46 41.12	+19.175	-0.146								3439
3440	84.38	4	109 21 9.63	+19.169	-0.146	-0.195	1756	20	24554				3440
3441	91.69	3	103 41 56.44	+19.168	-0.144				24557	91			3441
3442	90.08	3	113 42 4.66	+19.164	-0.148				24560		7266		3442
3443	86.33	3	99 47 9.49	+19.151	-0.144	+0.042	1757	23	24575	101			3443
3444	89.01	3	100 46 38.88	+19.147	-0.145	+0.287		25	24582	103			3444
3445	89.02	3	100 45 56.54	+19.145	-0.145	+0.010		26	24584	105			3445
3446	86.56	6	109 21 28.21	+19.124	-0.149	+0.101	1758	29	24595				3446
3447	89.66	3	101 46 2.75	+19.122	-0.147				24602	120			3447
3448	92.35	3	92 31 39.41	+19.117	-0.144					124			3448
3449	92.01	3	95 5 9.14	+19.116	-0.145				24610	131			3449
3450	84.70	3	90 48 30.00	+19.104	-0.145				24621	115			3450
3451	92.26	3	96 21 13.17	+19.096	-0.147			34	24629	140			3451
3452	90.03	3	102 34 40.17	+19.094	-0.149			33		141			3452
3453	92.03	3	110 57 25.72	+19.086	-0.153				24636				3453
3454	89.08	3	100 54 11.58	+19.083	-0.149				24650	153			3454
3455	86.34	3	104 57 56.49	+19.080	-0.151				24653	154			3455
3456	90.36	3	99 57 59.47	+19.080	-0.149	-0.032	1761	38	24656	155		2061	3456
3457	87.04	3	90 5 43.82	+19.076	-0.146				24660	159			3457
3458	89.37	3	98 9 5.60	+19.072	-0.149				24661	160			3458
3459	84.02	3	107 41 57.27	+19.054	-0.154	+1.055	1763	44	24680		7295	2064	3459
3460	91.70	3	106 33 17.03	+19.048	-0.154								3460
3461	87.32	3	112 35 27.70	+19.046	-0.156	+0.033	1764	45	24682			2065	3461
3462	84.37	3	100 43 32.80	+19.002	-0.155	-0.009	1766	55	24730	204			3462
3463	90.06	3	113 11 7.14	+18.995	-0.160								3463
3464	87.03	3	113 53 35.61	+18.987	-0.161				24739		7314		3464
3465	89.67	3	112 13 3.21	+18.977	-0.161								3465

3424, 3459, are respectively 2966, 2989 of the Radcliffe Catalogue, 1845.
 3423, 3424, 3426, 3431, 3436, 3437, 3440, 3446, 3456, 3459, are respectively 1261, 1262, 1263, 1265, 1268, 1269, 1270, 1272, 1275, 1276 of the Radcliffe Catalogue, 1860.
 3444. The Proper Motions have been taken from Bonn Obs., Vol. VII.
 3445. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
3466	Virginis	7-8	2	91°67	3	13	15	26.595	+ 3.1442	+ 0.0107		3466
3467	Virginis	7	2	85°37	3	13	15	35.016	+ 3.2208	+ 0.0165		3467
3468	Virginis	7-6	2	88°39	3	13	15	51.984	+ 3.2151	+ 0.0159		3468
3469	Virginis	7	3	85°40	3	13	16	15.683	+ 3.1801	+ 0.0133		3469
3470	Virginis	7	2	86°36	3	13	16	19.215	+ 3.1654	+ 0.0122		3470
3471	Virginis	8-9	3	91°96	3	13	16	37.314	+ 3.1261	+ 0.0095		3471
3472	Virginis	7-6	3	85°34	3	13	16	48.309	+ 3.1158	+ 0.0088	- 0.0050	3472
3473	63 Virginis	6-5	3	84°38	3	13	17	7.534	+ 3.2088	+ 0.0153	- 0.0053	3473
3474	65 Virginis	6-7	4	86°85	4	13	17	36.848	+ 3.1063	+ 0.0082	- 0.0035	3474
3475	Virginis	7	1	89°01	3	13	18	0.051	+ 3.2380	+ 0.0175		3475
3476	Virginis	8	2	92°01	3	13	18	35.003	+ 3.0845	+ 0.0068		3476
3477	66 Virginis	6	3	87°33	3	13	18	49.573	+ 3.1087	+ 0.0084	+ 0.0087	3477
3478	Virginis	8-7	...	91°61	3	13	19	11.718	+ 3.1943	+ 0.0141		3478
3479	67 Virginis	<i>a</i> 2-1	1	84°69	69	13	19	23.824	+ 3.1573	+ 0.0115	- 0.0044	3479
3480	Virginis	7-8	2	90°04	3	13	19	28.917	+ 3.1381	+ 0.0101		3480
3481	Virginis	7-6	3	85°37	3	13	20	12.374	+ 3.2064	+ 0.0149		3481
3482	Virginis	W Var.	3	90°39	3	13	20	21.164	+ 3.0950	+ 0.0075		3482
3483	Virginis	8	...	92°34	3	13	20	27.483	+ 3.0973	+ 0.0076		3483
3484	Virginis	6	2	85°06	3	13	20	33.326	+ 3.0775	+ 0.0064		3484
3485	68 Virginis	<i>i</i> 6	1	85°41	3	13	20	54.416	+ 3.1719	+ 0.0124	- 0.0121	3485
3486	Hydræ	9-8	1	92°37	3	13	21	3.855	+ 3.2759	+ 0.0199		3486
3487	Virginis	7-8	...	90°06	3	13	21	16.293	+ 3.2176	+ 0.0156		3487
3488	69 Virginis	5	2	83°33	4	13	21	35.048	+ 3.2009	+ 0.0144	- 0.0106	3488
3489	Virginis	8	2	92°29	3	13	21	57.460	+ 3.1237	+ 0.0093		3489
3490	Virginis	V Var.	2	90°32	2	13	22	7.324	+ 3.0938	+ 0.0075		3490
3491	Hydræ	8	2	92°33	3	13	22	13.789	+ 3.2606	+ 0.0187		3491
3492	Hydræ	8-9	...	92°68	3	13	22	17.930	+ 3.2544	+ 0.0182		3492
3493	Virginis	7-8	1	87°40	3	13	22	38.476	+ 3.0746	+ 0.0063	+ 0.0145	3493
3494	Virginis	8-9	2	92°35	3	13	22	41.490	+ 3.1487	+ 0.0108		3494
3495	Virginis	8	1	92°35	3	13	23	0.171	+ 3.1048	+ 0.0081		3495
3496	Virginis	7	1	85°35	3	13	23	19.749	+ 3.1173	+ 0.0090		3496
3497	Virginis	7	3	85°40	3	13	23	32.596	+ 3.2288	+ 0.0162		3497
3498	Virginis	7-6	3	83°32	3	13	23	36.106	+ 3.0791	+ 0.0066		3498
3499	Hydræ	R Var.	3	89°68	3	13	23	41.972	+ 3.2724	+ 0.0193		3499
3500	Virginis	8-9	1	92°36	3	13	23	58.828	+ 3.1965	+ 0.0139		3500
3501	72 Virginis	<i>l</i> ¹ 6-7	2	84°35	3	13	24	41.301	+ 3.1224	+ 0.0092	+ 0.0009	3501
3502	Virginis	8	1	92°34	3	13	24	47.601	+ 3.2080	+ 0.0146		3502
3503	Virginis	7-8	2	86°37	3	13	24	58.340	+ 3.2392	+ 0.0168		3503
3504	Virginis	7	1	85°38	3	13	25	10.731	+ 3.0936	+ 0.0075		3504
3505	Virginis	7	3	87°33	3	13	25	22.874	+ 3.1838	+ 0.0130		3505
3506	Virginis	7-8	...	91°99	3	13	26	6.123	+ 3.0876	+ 0.0072	- 0.0564	3506
3507	73 Virginis	6	2	88°40	3	13	26	6.746	+ 3.2334	+ 0.0163	- 0.0091	3507
3508	74 Virginis	<i>l</i> ² 5*	...	85°83	4	13	26	14.655	+ 3.1214	+ 0.0092	- 0.0081	3508
3509	Hydræ	7-6	...	84°85	4	13	26	25.631	+ 3.3454	+ 0.0244		3509
3510	75 Virginis	6	1	82°74	5	13	26	58.897	+ 3.2033	+ 0.0142	- 0.0052	3510

3469. Reddish star. 3482. The limits of magnitude are 8.7 and 10.4; the period is 17 days. 3485. Reddish star.
 3489. Lalande's N.P.D. is 1' too small. 3490. The limits of magnitude are 8.0 and below 13: the period is 251 days.
 3499. Reddish star. The limits of magnitude are 3.5 and 9.7: the period is 425 days. The observed magnitudes were 9-10, 4-5, 5-4,
 on 1887 May 14, 1889 April 22, 30 respectively.
 3509. Lalande's N.P.D. is about 30" too small.

No.	Mean Time of Observa- tion.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3466	91.67	3	99 25 23.83	+18.976	-0.156			58	24755	217			3466
3467	85.37	3	108 54 42.98	+18.972	-0.160			59					3467
3468	88.39	3	108 9 54.34	+18.964	-0.161				24762				3468
3469	85.40	3	103 50 31.69	+18.953	-0.160				24769	230			3469
3470	86.36	3	102 0 9.90	+18.951	-0.159			62	24773	232			3470
3471	91.96	3	96 57 55.30	+18.943	-0.158					238			3471
3472	85.34	3	95 37 17.97	+18.937	-0.158	+0.100		67	24785	241			3472
3473	84.38	3	107 9 31.89	+18.928	-0.163	+0.039	1771	68	24792				3473
3474	86.85	4	94 20 55.07	+18.914	-0.159	+0.010	1772	70	24804				3474
3475	89.01	3	110 20 58.27	+18.903	-0.166				24812				3475
3476	92.01	3	91 31 57.13	+18.886	-0.159					266			3476
3477	87.33	3	94 35 20.49	+18.878	-0.161	+0.022	1773	73		270		2074	3477
3478	91.61	3	105 3 30.27	+18.868	-0.166					273			3478
3479	82.89	20	100 35 12.59	+18.862	-0.165	+0.018	1774	75	24845	277	7352	2076	3479
3480	90.04	3	98 12 44.58	+18.859	-0.164					280			3480
3481	85.37	3	106 17 15.43	+18.838	-0.168			76	24861				3481
3482	90.39	3	92 48 22.16	+18.833	-0.163								3482
3483	92.34	3	93 5 18.89	+18.830	-0.163					294			3483
3484	85.06	3	90 37 12.06	+18.827	-0.163				24872	295			3484
3485	85.41	3	102 8 5.65	+18.817	-0.168	+0.023	1775	80	24875		7371	2080	3485
3486	92.37	3	113 42 59.41	+18.811	-0.174								3486
3487	90.06	3	107 21 23.12	+18.805	-0.171				24883				3487
3488	83.33	4	105 24 10.11	+18.796	-0.171	-0.027	1778	82	24891	314		2081	3488
3489	92.29	3	96 14 42.87	+18.785	-0.168				24899	320			3489
3490	90.32	2	92 36 7.41	+18.780	-0.166								3490
3491	92.33	3	111 49 42.29	+18.776	-0.175			86	24901				3491
3492	92.68	3	111 9 44.12	+18.774	-0.175								3492
3493	87.40	3	90 15 26.44	+18.763	-0.166	+0.376		89	24915	327			3493
3494	92.35	3	99 10 25.29	+18.762	-0.170			88	24913	326			3494
3495	92.35	3	93 53 43.19	+18.752	-0.169								3495
3496	85.35	3	95 23 8.52	+18.742	-0.170			91	24928	336			3496
3497	85.40	3	108 9 33.02	+18.735	-0.176			93	24931		7399		3497
3498	83.32	3	90 47 33.22	+18.734	-0.168			95	24939	344			3498
3499	89.86	2	112 42 45.30	+18.731	-0.179			94	24936			2089	3499
3500	92.60	4	104 31 4.98	+18.721	-0.175								3500
3501	84.35	3	95 54 8.06	+18.700	-0.173	-0.042	1782	101	24975	368			3501
3502	92.34	3	105 39 13.61	+18.696	-0.177				24973				3502
3503	86.37	3	108 59 27.17	+18.690	-0.179				24978				3503
3504	85.38	3	92 28 59.11	+18.684	-0.172			106	24988	376			3504
3505	87.33	3	102 52 52.64	+18.677	-0.177				24990	378			3505
3506	91.99	3	91 45 31.52	+18.654	-0.173	-0.242		114	25012			2096	3506
3507	88.40	3	108 9 40.97	+18.654	-0.181	+0.007	1783	111	25004			2095	3507
3508	85.35	5	95 41 15.11	+18.650	-0.175	+0.030	1784	115	25014	398		2097	3508
3509	84.85	2	118 59 56.23	+18.644	-0.188			112	25010		7420	2098	3509
3510	82.74	5	104 47 48.86	+18.626	-0.181	0.000	1785	117	25030			2102	3510

3479, 3501, 3508, are respectively 3008, 3024, 3035 of the Radcliffe Catalogue, 1845.
3472, 3477, 3479, 3493, 3497, 3498, 3499, 3501, 3506, 3508, 3510, are respectively 1281, 1282, 1283, 1289, 1293, 1294, 1295, 1296, 1299, 1300, 1301 of the Radcliffe Catalogue, 1860.
3472. The Proper Motions have been determined in the formation of the present Catalogue.
3493, 3506. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
3511	76 Virginis <i>h</i>	6	2	83.38	3	13	27	10.377	+ 3.1564	+ 0.0112	— 0.0044	3511
3512	Virginis	7-8	...	92.32	3	13	27	13.225	+ 3.2476	+ 0.0171		3512
3513	Virginis <i>S</i>	Var.	5	85.67	3	13	27	15.341	+ 3.1302	+ 0.0097		3513
3514	Virginis	7	2	88.90	4	13	27	26.831	+ 3.1414	+ 0.0103		3514
3515	77 Virginis	7	...	90.04	3	13	27	39.689	+ 3.1343	+ 0.0100	— 0.0050	3515
3516	Virginis	7-8	1	90.71	3	13	27	41.170	+ 3.1415	+ 0.0103		3516
3517	Virginis	8-7	1	91.35	3	13	28	28.864	+ 3.1701	+ 0.0120		3517
3518	Virginis	7-8	1	89.08	3	13	28	31.819	+ 3.1438	+ 0.0104		3518
3519	Virginis	7-8	3	87.33	3	13	28	36.874	+ 3.1869	+ 0.0131		3519
3520	Virginis	8-7	...	89.03	3	13	28	39.654	+ 3.0703	+ 0.0063	— 0.0180	3520
3521	Virginis	8-9	2	92.27	3	13	28	41.852	+ 3.1060	+ 0.0083		3521
3522	Virginis	6-7	4	85.84	4	13	28	49.414	+ 3.1859	+ 0.0130		3522
3523	79 Virginis <i>ζ</i>	4-3	1	84.47	76	13	29	5.289	+ 3.0728	+ 0.0065	— 0.0205	3523
3524	Virginis	7	1	83.71	3	13	29	31.510	+ 3.2726	+ 0.0187		3524
3525	Virginis	8	1	92.32	3	13	29	35.456	+ 3.2220	+ 0.0153		3525
3526	80 Virginis	6	3	86.17	5	13	29	47.883	+ 3.1157	+ 0.0089	— 0.0006	3526
3527	Canum Venaticorum ...	5*	...	90.37	3	13	29	53.032	+ 2.6769	— 0.0093	+ 0.0043	3527
3528	Virginis	7	2	84.35	3	13	30	37.518	+ 3.0758	+ 0.0067	— 0.0160	3528
3529	Hydræ	7	3	84.71	6	13	31	7.545	+ 3.2928	+ 0.0199		3529
3530	81 Virginis	8	4	86.39	3	13	31	49.377	+ 3.1394	+ 0.0102	— 0.0030	3530
3531	81 Virginis	8-9	4	86.90	2	13	31	49.478	+ 3.1394	+ 0.0102	— 0.0030	3531
3532	Virginis	7	2	83.33	3	13	32	5.800	+ 3.0969	+ 0.0079		3532
3533	Virginis	8-9	2	92.02	3	13	32	11.145	+ 3.2651	+ 0.0178		3533
3534	Hydræ	6	...	85.72	3	13	32	31.123	+ 3.3636	+ 0.0246		3534
3535	Virginis	8-7	3	89.37	3	13	32	52.513	+ 3.1591	+ 0.0112		3535
3536	Virginis	8	...	91.38	3	13	33	14.173	+ 3.0907	+ 0.0075		3536
3537	Virginis	8-7	1	91.61	3	13	33	25.963	+ 3.2111	+ 0.0144		3537
3538	Virginis	7-6	2	85.34	3	13	34	2.954	+ 3.2243	+ 0.0151		3538
3539	Virginis	8	2	92.35	3	13	34	41.907	+ 3.1165	+ 0.0090		3539
3540	Virginis	8-7	...	92.35	3	13	34	53.598	+ 3.2394	+ 0.0159		3540
3541	Virginis	8-7	1	92.00	3	13	35	8.152	+ 3.1893	+ 0.0130		3541
3542	Virginis	8-9	1	92.34	3	13	35	18.843	+ 3.1273	+ 0.0095		3542
3543	Hydræ	7-6	2	81.87	4	13	35	26.634	+ 3.3009	+ 0.0199		3543
3544	Virginis	8	2	92.25	3	13	35	33.576	+ 3.1670	+ 0.0117		3544
3545	82 Virginis <i>m</i>	6-5	8	87.58	34	13	35	50.259	+ 3.1502	+ 0.0107	— 0.0085	3545
3546	Virginis	8-7	2	89.05	3	13	35	54.258	+ 3.2535	+ 0.0168		3546
3547	83 Ursæ Majoris	6-5*	...	83.37	3	13	36	33.983	+ 2.2847	— 0.0121	— 0.0062	3547
3548	Virginis	7-8	2	89.36	3	13	36	45.288	+ 3.1842	+ 0.0127		3548
3549	Virginis	8	...	92.36	3	13	37	7.873	+ 3.1769	+ 0.0121		3549
3550	Virginis	8-9	...	92.02	3	13	37	14.319	+ 3.0909	+ 0.0077		3550
3551	Virginis	8-7	2	85.37	3	13	37	18.637	+ 3.0788	+ 0.0071		3551
3552	Virginis	8-9	...	92.40	3	13	37	43.058	+ 3.2810	+ 0.0183		3552
3553	Virginis	7	3	83.37	3	13	37	48.152	+ 3.1085	+ 0.0086		3553
3554	Virginis	7-6	2	85.61	4	13	38	10.803	+ 3.1205	+ 0.0092		3554
3555	Virginis	9-8	1	92.04	3	13	38	24.789	+ 3.2825	+ 0.0183		3555

3513. Very red star. The limits of magnitude are 5.7 and 12.5 : the period is 376 days.

3520. A faint companion follows, and is north.

3528. The magnitude assigned to this star in Weisse's Bessel is 9.

3530, 3531. A close double star: observed also as one mass 86.84 2 13^h 31^m 49^s.403, 97° 18' 36".62.

3536. Reddish star.

3537. Lalande's N.P.D. is 1' too small.

3538. Red star.

3545. Reddish-yellow star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3511	83°38	3	99 35 52.74	+18.620	-0.179	+0.023	1786	118	25037	416		2103	3511
3512	92°32	3	109 25 25.99	+18.618	-0.184								3512
3513	85°67	3	96 37 44.16	+18.617	-0.178				25039	420			3513
3514	88°90	4	97 52 44.55	+18.611	-0.179					421			3514
3515	90°04	3	97 3 27.02	+18.604	-0.179	-0.033	1787	121	25049	426			3515
3516	90°71	3	97 52 11.83	+18.603	-0.179					427			3516
3517	91°35	3	100 58 16.51	+18.577	-0.182			124	25073	436			3517
3518	89°08	3	98 3 11.56	+18.575	-0.181					438			3518
3519	87°33	3	102 46 56.07	+18.573	-0.183				25075	440			3519
3520	89°03	3	89 45 1.26	+18.571	-0.177	-0.020		127	25087	448			3520
3521	92°27	3	93 48 6.93	+18.569	-0.179					447			3521
3522	85°84	4	102 38 59.92	+18.566	-0.184			126	25086		7437	2105	3522
3523	81°98	36	90 1 59.02	+18.557	-0.178	-0.056	1789	128	25101	457	7441	2106	3523
3524	83°71	3	111 27 36.47	+18.543	-0.190				25120				3524
3525	92°32	3	106 21 36.13	+18.541	-0.187				25110				3525
3526	86°17	5	94 50 8.10	+18.534	-0.182	-0.096	1790	130	25119	471			3526
3527	87°02	6	52 15 13.37	+18.531	-0.157	+0.007		136	25139			2107	3527
3528	84°35	3	90 22 0.75	+18.505	-0.181	+0.030			25146	487			3528
3529	84°71	6	113 3 10.68	+18.489	-0.194				25149				3529
3530	86°39	3	97 18 38.07	+18.465	-0.187	+0.040	1793	142	25163	504		2114	3530
3531	86°90	2	97 18 35.89	+18.465	-0.187	+0.040	1793	142	25163	504		2114	3531
3532	83°33	3	92 40 27.80	+18.456	-0.185			145	25173	512			3532
3533	92°02	3	110 12 2.02	+18.453	-0.194								3533
3534	84°38	4	118 59 53.66	+18.441	-0.201			146			7475	2117	3534
3535	89°37	3	99 19 34.96	+18.429	-0.190								3535
3536	91°38	3	91 58 18.15	+18.416	-0.186				25198	539			3536
3537	91°61	3	104 38 56.15	+18.409	-0.194			151	25199				3537
3538	85°34	3	105 53 14.96	+18.388	-0.196				25213				3538
3539	92°35	3	94 41 16.42	+18.365	-0.190				25230	563			3539
3540	92°35	3	107 14 5.35	+18.358	-0.198								3540
3541	92°00	3	102 13 30.67	+18.350	-0.196			158	25238	568			3541
3542	92°34	3	95 47 47.41	+18.343	-0.192								3542
3543	81°87	4	112 53 34.16	+18.339	-0.203			159	25240				3543
3544	92°25	3	99 53 46.27	+18.335	-0.195				25244	573			3544
3545	85°90	11	98 8 51.24	+18.325	-0.195	-0.046	1796	162	25258	580	7506	2126	3545
3546	89°05	3	108 25 42.02	+18.323	-0.201				25253				3546
3547	80°38	3	34 45 40.85	+18.299	-0.144	+0.003	1802	170				2128	3547
3548	89°36	3	101 31 50.78	+18.292	-0.198					592			3548
3549	92°36	3	100 44 47.07	+18.279	-0.198			166	25277	604			3549
3550	92°02	3	91 54 47.59	+18.275	-0.194				25283	607			3550
3551	85°37	3	90 39 10.80	+18.272	-0.193				25293	611			3551
3552	92°40	3	110 39 29.84	+18.258	-0.206								3552
3553	83°37	3	93 43 9.21	+18.255	-0.195			171					3553
3554	85°61	4	94 56 40.02	+18.241	-0.197			174	25314	624			3554
3555	92°04	3	110 40 10.41	+18.232	-0.207								3555

3511, 3518, 3523, 3527, 3545, 3547, are respectively 3037, 3041, 3046, 3049, 3069, 3073 of the Radcliffe Catalogue, 1845.
 3511, 3513, 3518, 3523, 3530, 3531, 3545, are respectively 1302, 1303, 1305, 1306, 1311, 1313, 1317 of the Radcliffe Catalogue, 1860.
 3520, 3528. The Proper Motions have been determined in the formation of the present Catalogue.
 3527. The Proper Motions have been taken from Auwers' "Catalog der Fundamental-Sterne."

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
3556	Virginis	7-8	3	85.75	3	13 38 33.225	+ 3.2470	+ 0.0162		3556
3557	83 Virginis	6	4	84.39	3	13 38 33.620	+ 3.2284	+ 0.0151	- 0.0002	3557
3558	Hydræ	7-6	2	83.63	4	13 38 38.279	+ 3.3319	+ 0.0215		3558
3559	Virginis	7	3	88.70	3	13 38 50.692	+ 3.2084	+ 0.0139	- 0.0020	3559
3560	Virginis	7-8	3	87.33	3	13 39 10.841	+ 3.1422	+ 0.0102		3560
3561	Virginis	7-8	3	85.74	3	13 39 12.868	+ 3.1260	+ 0.0095		3561
3562	1 Centauri <i>i</i>	4-5*	...	80.26	4	13 39 25.919	+ 3.4303	+ 0.0280	- 0.0374	3562
3563	85 Virginis	6-7	1	82.35	3	13 39 39.610	+ 3.2257	+ 0.0148	- 0.0059	3563
3564	Virginis	8-7	2	81.35	2	13 39 45.604	+ 3.1906	+ 0.0129		3564
3565	Virginis	8	3	91.64	3	13 40 2.405	+ 3.1790	+ 0.0123		3565
3566	86 Virginis	6	3	82.07	7	13 40 4.515	+ 3.1914	+ 0.0129	- 0.0028	3566
3567	Virginis	8	2	89.37	3	13 40 35.870	+ 3.1155	+ 0.0090		3567
3568	Virginis	7	2	86.37	3	13 41 13.287	+ 3.2660	+ 0.0171		3568
3569	Virginis	7-6	...	84.63	3	13 41 24.583	+ 3.1648	+ 0.0115		3569
3570	87 Virginis	6	1	84.69	3	13 41 26.212	+ 3.2509	+ 0.0162	+ 0.0011	3570
3571	Hydræ	8-9	2	92.36	3	13 41 38.195	+ 3.3144	+ 0.0200		3571
3572	Virginis	7	2	87.37	3	13 41 40.487	+ 3.1344	+ 0.0100		3572
3573	Virginis	7-8	1	92.02	3	13 42 2.047	+ 3.2323	+ 0.0151		3573
3574	4 Boötis τ	5-4	1	87.05	35	13 42 2.115	+ 2.8854	- 0.0006	- 0.0346	3574
3575	Virginis	9-8	1	92.35	3	13 42 10.958	+ 3.1560	+ 0.0110		3575
3576	Virginis	8-9	2	92.35	3	13 42 27.301	+ 3.3014	+ 0.0192		3576
3577	88 Virginis <i>n</i>	7-6	1	84.71	3	13 42 32.579	+ 3.1362	+ 0.0100	- 0.0053	3577
3578	Virginis	9	1	92.37	3	13 42 47.663	+ 3.1220	+ 0.0093		3578
3579	Virginis	7-8	2	89.38	3	13 42 54.910	+ 3.2860	+ 0.0182		3579
3580	Virginis	7	...	89.09	3	13 42 57.782	+ 3.0957	+ 0.0081		3580
3581	85 Ursæ Majoris η	2*	...	85.40	5	13 43 12.375	+ 2.3825	- 0.0102	- 0.0115	3581
3582	Virginis	8-9	1	92.36	3	13 43 19.524	+ 3.0831	+ 0.0075		3582
3583	Virginis	8	1	91.40	3	13 43 52.447	+ 3.1970	+ 0.0130		3583
3584	89 Virginis	6-5	2	83.41	3	13 43 53.600	+ 3.2581	+ 0.0164	- 0.0087	3584
3585	Virginis	7	3	85.38	3	13 44 11.712	+ 3.2899	+ 0.0182		3585
3586	Virginis	7-6	2	84.05	3	13 44 33.046	+ 3.2793	+ 0.0177		3586
3587	Virginis	7-8	3	87.33	3	13 44 45.861	+ 3.1455	+ 0.0104		3587
3588	Virginis	7	1	86.07	3	13 45 3.940	+ 3.1476	+ 0.0105		3588
3589	Virginis	7-8	2	89.06	3	13 45 12.098	+ 3.2107	+ 0.0137		3589
3590	Hydræ	7-6	2	84.75	3	13 45 16.825	+ 3.3344	+ 0.0208	- 0.0395	3590
3591	3 Centauri <i>k</i>	4-5*	...	86.02	3	13 45 28.395	+ 3.4500	+ 0.0281	- 0.0043	3591
3592	Virginis	7	...	88.74	3	13 45 42.727	+ 3.2041	+ 0.0134		3592
3593	Virginis	7	4	82.65	4	13 46 19.954	+ 3.2231	+ 0.0144		3593
3594	Virginis	7-6	3	82.05	3	13 46 38.445	+ 3.2693	+ 0.0169		3594
3595	Virginis	7-8	1	91.33	3	13 47 3.524	+ 3.1802	+ 0.0121		3595
3596	Virginis	7-8	2	86.74	3	13 47 30.099	+ 3.1042	+ 0.0086		3596
3597	Virginis	8	1	91.39	3	13 47 52.582	+ 3.1324	+ 0.0099		3597
3598	10 Draconis <i>i</i>	5*	...	89.35	3	13 48 12.976	+ 1.7525	- 0.0004	- 0.0017	3598
3599	Virginis	7-8	2	91.67	3	13 48 15.940	+ 3.1924	+ 0.0127		3599
3600	Virginis	7-6	1	84.37	3	13 48 22.558	+ 3.2545	+ 0.0159		3600

3580. Yellowish-red star.

3591. Double star. The first and brighter star has been observed.

3585. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3556	85.75	3	107 23 1.63	+ 18.228	- 0.205				25323				3556
3557	84.39	3	105 37 31.44	+ 18.227	- 0.204	+ 0.007	1801	176					3557
3558	83.63	4	114 56 48.76	+ 18.225	- 0.210				25322		7531		3558
3559	88.70	3	103 40 0.85	+ 18.216	- 0.203	+ 0.200		177		637			3559
3560	87.33	3	97 4 53.95	+ 18.204	- 0.200			179	25368	643			3560
3561	85.74	3	95 27 0.05	+ 18.203	- 0.199				25346	644			3561
3562	80.27	5	122 29 11.61	+ 18.195	- 0.218	+ 0.151	1803	178			7536	2133	3562
3563	82.35	3	105 12 52.94	+ 18.187	- 0.206	+ 0.029	1804	181		649		2135	3563
3564	81.35	2	101 49 57.36	+ 18.183	- 0.204			183		651			3564
3565	91.64	3	100 40 18.91	+ 18.173	- 0.204			185	25359	656			3565
3566	82.02	6	101 52 30.00	+ 18.171	- 0.205	- 0.013	1805	186		657		2137	3566
3567	89.37	3	94 19 30.54	+ 18.152	- 0.201				25378	669			3567
3568	86.37	3	108 42 18.11	+ 18.129	- 0.211			190	25387				3568
3569	84.63	3	99 9 28.25	+ 18.121	- 0.205				25396	673		2139	3569
3570	84.69	3	107 18 30.85	+ 18.121	- 0.211	+ 0.028	1806	191	25391			2140	3570
3571	92.36	3	112 52 6.45	+ 18.113	- 0.215								3571
3572	87.37	3	96 9 18.11	+ 18.112	- 0.204			192	25403	678			3572
3573	92.02	3	105 30 55.39	+ 18.098	- 0.211				25407	685			3573
3574	82.28	12	71 59 40.99	+ 18.098	- 0.189	- 0.040	1810	199	25426		7553	2144	3574
3575	92.35	3	98 14 25.33	+ 18.093	- 0.206					693			3575
3576	92.35	3	111 36 25.94	+ 18.083	- 0.216								3576
3577	84.71	3	96 17 15.98	+ 18.079	- 0.206	+ 0.015	1809	201	25428	700	7557		3577
3578	92.37	3	94 53 1.80	+ 18.069	- 0.205					703			3578
3579	89.38	3	110 11 59.67	+ 18.065	- 0.216				25431				3579
3580	89.09	3	92 17 29.62	+ 18.063	- 0.204			203	25440	707			3580
3581	85.88	3	40 8 14.92	+ 18.054	- 0.159	+ 0.014	1815	209				2147	3581
3582	92.36	3	91 2 36.32	+ 18.049	- 0.204				25448	714			3582
3583	91.40	3	102 0 14.66	+ 18.029	- 0.212								3583
3584	83.41	3	107 35 9.50	+ 18.027	- 0.216	+ 0.033	1811	204	25455			2149	3584
3585	85.38	3	110 19 20.84	+ 18.016	- 0.218			206	25462				3585
3586	84.05	3	109 21 6.64	+ 18.002	- 0.218								3586
3587	87.33	3	97 3 3.62	+ 17.994	- 0.210			213	25477	735			3587
3588	86.07	3	97 14 16.28	+ 17.982	- 0.211			218	25483	740			3588
3589	89.06	3	103 7 58.15	+ 17.977	- 0.215					743			3589
3590	84.75	3	113 50 9.65	+ 17.974	- 0.223	+ 0.256			25484		7584		3590
3591	86.02	3	122 26 53.89	+ 17.967	- 0.231	+ 0.017	1814	216			7587	2151	3591
3592	88.74	3	102 28 12.04	+ 17.957	- 0.216					750			3592
3593	82.65	4	104 7 57.89	+ 17.933	- 0.218				25506	758			3593
3594	82.05	3	108 9 55.87	+ 17.921	- 0.222				25510				3594
3595	91.33	3	100 8 18.48	+ 17.904	- 0.217					766			3595
3596	86.74	3	92 59 53.25	+ 17.887	- 0.212			227	25537	774			3596
3597	91.39	3	95 38 36.63	+ 17.872	- 0.215				25545	777			3597
3598	85.90	5	24 43 58.63	+ 17.859	- 0.124	+ 0.014	1823	243				2161	3598
3599	91.67	3	101 9 14.42	+ 17.857	- 0.220				25555	786			3599
3600	84.37	3	106 38 17.13	+ 17.852	- 0.224				25556				3600

3581, 3584, 3598, are respectively 3095, 3096, 3107 of the Radcliffe Catalogue, 1845.
 3563, 3574, 3581, 3584, 3585, are respectively 1322, 1324, 1327, 1329, 1330 of the Radcliffe Catalogue, 1860.
 3559. The Proper Motions have been determined in the formation of the present Catalogue.
 3590. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R. A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
3601	Virginis	7	1	84°36	3	13 48 25.470	+ 3.3149	+ 0.0193		3601
3602	Virginis	8	1	91°70	3	13 48 47.262	+ 3.3066	+ 0.0189		3602
3603	Virginis	7-8	2	85°29	3	13 48 59.989	+ 3.2794	+ 0.0173		3603
3604	90 Virginis <i>p</i>	6-5	3	85°07	3	13 49 3.147	+ 3.0828	+ 0.0076	- 0.0068	3604
3605	Virginis	7-6	2	84°31	3	13 49 11.890	+ 3.1534	+ 0.0108	- 0.0139	3605
3606	Virginis	7	2	84°31	3	13 49 12.070	+ 3.1534	+ 0.0108	- 0.0139	3606
3607	8 Boötis <i>η</i>	3*	...	85°51	32	13 49 26.856	+ 2.8615	- 0.0006	- 0.0049	3607
3608	Virginis	8-7	2	92°37	3	13 49 39.128	+ 3.2444	+ 0.0153		3608
3609	Virginis	8-9	...	92°06	3	13 49 46.656	+ 3.2170	+ 0.0139		3609
3610	Virginis	7-6	3	88°74	3	13 49 58.548	+ 3.1705	+ 0.0116		3610
3611	Virginis	7	2	87°01	3	13 50 3.403	+ 3.1727	+ 0.0117		3611
3612	Virginis	7	3	85°42	3	13 50 18.285	+ 3.1063	+ 0.0087		3612
3613	Virginis	8-9	2	89°64	4	13 50 22.767	+ 3.1167	+ 0.0092		3613
3614	Virginis	8-9	2	89°90	2	13 50 23.138	+ 3.1166	+ 0.0092		3614
3615	Virginis	7-6	3	82°72	3	13 51 20.358	+ 3.3309	+ 0.0200		3615
3616	Virginis	9-8	1	92°06	3	13 51 53.834	+ 3.3021	+ 0.0183		3616
3617	47 Hydræ	6-5	2	85°44	3	13 52 20.691	+ 3.3585	+ 0.0214	- 0.0050	3617
3618	Virginis	7	3	89°06	3	13 52 32.878	+ 3.2010	+ 0.0130	+ 0.0060	3618
3619	Virginis	7	3	84°39	3	13 52 34.110	+ 3.2249	+ 0.0142		3619
3620	Virginis	7	4	88°00	5	13 53 1.471	+ 3.2792	+ 0.0170		3620
3621	Virginis	7	1	89°35	3	13 53 13.368	+ 3.1435	+ 0.0103		3621
3622	Boötis	7-8	1	87°82	5	13 53 21.338	+ 2.9002	+ 0.0011		3622
3623	Virginis	8-7	3	85°34	3	13 53 42.678	+ 3.1269	+ 0.0097	0.0000	3623
3624	48 Hydræ	6-7	1	82°72	3	13 53 50.357	+ 3.3625	+ 0.0215	- 0.0161	3624
3625	Virginis	7-6	2	84°35	3	13 54 7.210	+ 3.1061	+ 0.0088		3625
3626	Virginis	7-6	2	84°37	3	13 54 16.711	+ 3.1581	+ 0.0110		3626
3627	Hydræ	7	...	83°05	3	13 54 23.005	+ 3.3808	+ 0.0223	- 0.0030	3627
3628	Virginis	8-7	...	91°72	3	13 54 31.608	+ 3.2372	+ 0.0147		3628
3629	Virginis	9-8	2	91°66	3	13 55 22.758	+ 3.1844	+ 0.0122		3629
3630	Virginis	8-9	2	92°38	3	13 55 46.437	+ 3.3451	+ 0.0203		3630
3631	93 Virginis <i>τ</i>	4-5	6	85°63	33	13 56 2.898	+ 3.0490	+ 0.0065	- 0.0005	3631
3632	Draconis	7-8	...	90°08	3	13 56 5.643	+ 1.6867	+ 0.0026		3632
3633	Hydræ	6-5	1	86°69	3	13 56 7.283	+ 3.4016	+ 0.0233		3633
3634	Virginis	7	1	89°41	3	13 56 28.684	+ 3.3001	+ 0.0178		3634
3635	Virginis	8	2	92°36	3	13 56 33.442	+ 3.3241	+ 0.0190		3635
3636	Virginis	8-9	2	92°06	3	13 56 51.348	+ 3.0915	+ 0.0082		3636
3637	Virginis	6-7	1	82°35	3	13 57 4.751	+ 3.2703	+ 0.0163		3637
3638	Virginis	7-8	3	87°36	3	13 57 35.053	+ 3.1934	+ 0.0125		3638
3639	Virginis	7	1	82°41	3	13 57 39.546	+ 3.1907	+ 0.0124		3639
3640	Virginis	6-7	3	85°76	3	13 57 44.889	+ 3.3365	+ 0.0197		3640
3641	Virginis	8	1	91°73	3	13 58 6.364	+ 3.2152	+ 0.0135		3641
3642	Virginis	7-6	3	83°41	3	13 58 29.629	+ 3.2427	+ 0.0149		3642
3643	Virginis	7-6	2	85°06	3	13 58 29.889	+ 3.1286	+ 0.0097		3643
3644	Virginis	7	3	84°06	3	13 58 31.954	+ 3.1740	+ 0.0116		3644
3645	Virginis	9	4	89°36	3	13 59 2.477	+ 3.1425	+ 0.0103		3645

3610. A star of the 8-7 magnitude, Weisse's Bessel, 816, precedes about 15", and is north.

3625. Lalande's R. A. is 5^m too great.

3633. Lalande's N. P. D., although depending upon two observations, appears, in the mean, to be about 15" too small.

3645, 3646. Double star: Σ 1799.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
3601	84°36'	3	111 42 30.8	+ 17.851	- 0.228								3601
3602	91°70'	3	110 57 58.15	+ 17.836	- 0.228				25562				3602
3603	85°29'	3	108 40 33.95	+ 17.827	- 0.227				25574				3603
3604	85°07'	3	90 57 40.83	+ 17.825	- 0.214	+ 0.012	1819	237	25586	803		2163	3604
3605	84°31'	3	97 31 0.88	+ 17.820	- 0.219	0.000	1820	238	25588	804		2164	3605
3606	84°31'	3	97 31 0.01	+ 17.820	- 0.219	0.000	1820	238	25588	804		2166	3606
3607	81°09'	32	71 3 1.85	+ 17.809	- 0.200	+ 0.344	1821	240	25608		7638	2167	3607
3608	92°37'	3	105 36 12.48	+ 17.802	- 0.226				25596				3608
3609	92°06'	3	103 11 57.80	+ 17.796	- 0.224					817			3609
3610	88°74'	3	99 1 11.85	+ 17.789	- 0.221					825			3610
3611	87°01'	3	99 12 57.10	+ 17.785	- 0.221					826			3611
3612	85°42'	3	93 7 18.55	+ 17.775	- 0.217					830			3612
3613	89°90'	2	94 4 42.02	+ 17.772	- 0.218				25620				3613
3614	89°64'	4	94 4 38.95	+ 17.772	- 0.218				25620				3614
3615	82°72'	3	112 29 6.72	+ 17.733	- 0.234				25635				3615
3616	92°15'	4	110 6 28.64	+ 17.710	- 0.234								3616
3617	85°44'	3	114 26 6.30	+ 17.691	- 0.238	+ 0.030	1825	253	25655		7669	2174	3617
3618	89°06'	3	101 31 6.09	+ 17.683	- 0.228	+ 0.160		256		865			3618
3619	84°39'	3	103 35 8.51	+ 17.682	- 0.229				25665	866			3619
3620	87°40'	4	108 5 14.23	+ 17.664	- 0.234				25678				3620
3621	89°35'	3	96 23 14.71	+ 17.656	- 0.225					878			3621
3622	89°40'	3	74 48 47.20	+ 17.650	- 0.208			264	25692			2175	3622
3623	85°34'	3	94 52 56.99	+ 17.635	- 0.225	+ 0.180			25693	886			3623
3624	82°72'	3	114 28 22.82	+ 17.629	- 0.241	+ 0.090	1827	262	25688		7678	2178	3624
3625	84°35'	3	93 0 48.58	+ 17.618	- 0.224			269	25848	894			3625
3626	84°37'	3	97 37 32.53	+ 17.611	- 0.228			270	25706	898			3626
3627	83°05'	3	115 43 39.19	+ 17.607	- 0.243	+ 0.160					7682		3627
3628	91°72'	3	104 25 2.18	+ 17.601	- 0.234				25710	899			3628
3629	91°66'	3	99 50 35.67	+ 17.565	- 0.232				25730				3629
3630	92°38'	3	112 50 37.03	+ 17.548	- 0.244								3630
3631	83°00'	9	87 55 21.85	+ 17.537	- 0.223	+ 0.033	1829	275	25747	934	7692	2181	3631
3632	86°61'	5	25 4 55.31	+ 17.534	- 0.127			285					3632
3633	86°69'	3	116 53 52.36	+ 17.534	- 0.248			274	25736		7693	2182	3633
3634	89°41'	3	109 16 42.58	+ 17.518	- 0.242			276	25752			2184	3634
3635	92°36'	3	111 7 49.22	+ 17.515	- 0.244								3635
3636	92°06'	3	91 39 48.37	+ 17.502	- 0.228				25775	947			3636
3637	82°35'	3	106 50 11.67	+ 17.493	- 0.241				25774				3637
3638	87°36'	3	100 26 14.24	+ 17.471	- 0.236				25797				3638
3639	82°41'	3	100 12 3.46	+ 17.467	- 0.236				25799	964			3639
3640	85°76'	3	111 53 32.58	+ 17.464	- 0.247				25795				3640
3641	91°73'	3	102 13 24.57	+ 17.449	- 0.239				25807	973			3641
3642	83°41'	3	104 26 34.00	+ 17.432	- 0.241			286	25813	985		2187	3642
3643	85°06'	3	94 51 7.77	+ 17.432	- 0.233				25824				3643
3644	84°06'	3	98 43 43.03	+ 17.430	- 0.236			287	25823	991			3644
3645	88°35'	4	96 1 26.03	+ 17.408	- 0.235				25841	1000			3645

3607, 3631, are respectively 3110, 3122 of the Radcliffe Catalogue, 1845.
 3607, 3618, 3624, 3631, are respectively 1339, 1342, 1343, 1345 of the Radcliffe Catalogue, 1860.
 3618, 3623, 3627. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
3646	Virginis	8	4	85°35	3	13 59 28.36	+ 3.1425	+ 0.0103		3646
3647	Virginis	7	1	84°35	3	13 59 14.205	+ 3.2607	+ 0.0157		3647
3648	Virginis	7-8	2	85°43	3	13 59 16.184	+ 3.2423	+ 0.0148		3648
3649	Virginis	8-7	1	91°40	3	13 59 25.603	+ 3.1513	+ 0.0106		3649
3650	Hydræ	8	2	92°35	3	13 59 58.894	+ 3.3731	+ 0.0214		3650
3651	49 Hydræ π	4-3*	...	83°02	3	14 0 6.340	+ 3.4010	+ 0.0228	+ 0.0019	3651
3652	94 Virginis	7-6	5	87°09	24	14 0 28.256	+ 3.1712	+ 0.0115	- 0.0032	3652
3653	Virginis	7-6	3	84°72	3	14 0 44.860	+ 3.2361	+ 0.0144		3653
3654	95 Virginis	6-7	2	84°39	3	14 0 53.743	+ 3.1765	+ 0.0117	- 0.0122	3654
3655	11 Draconis α	3-4*	...	86°40	4	14 1 24.670	+ 1.6302	+ 0.0048	- 0.0092	3655
3656	Hydræ	8-9	2	92°36	3	14 1 38.024	+ 3.3566	+ 0.0203		3656
3657	Virginis	8	2	92°07	3	14 1 46.784	+ 3.3281	+ 0.0188		3657
3658	Virginis	8-7	1	92°33	3	14 1 54.469	+ 3.0790	+ 0.0078		3658
3659	Virginis	8-7	2	88°70	3	14 2 7.933	+ 3.2218	+ 0.0137	+ 0.0070	3659
3660	Virginis	7-6	2	86°37	3	14 2 35.308	+ 3.2087	+ 0.0131		3660
3661	Virginis	8-9	...	92°04	3	14 2 40.230	+ 3.1084	+ 0.0090		3661
3662	Virginis	7	2	88°71	3	14 2 55.754	+ 3.3040	+ 0.0176		3662
3663	Virginis	8-7	2	91°72	3	14 2 58.345	+ 3.2943	+ 0.0170		3663
3664	96 Virginis	7-6	5	82°36	3	14 3 8.822	+ 3.1909	+ 0.0123	- 0.0007	3664
3665	Virginis	8-9	1	91°73	3	14 3 15.084	+ 3.1624	+ 0.0111		3665
3666	Virginis	7	4	87°05	3	14 4 15.404	+ 3.0741	+ 0.0078		3666
3667	Virginis	6-5	3	83°41	3	14 4 49.938	+ 3.2683	+ 0.0157		3667
3668	Virginis	7	3	84°05	3	14 5 11.518	+ 3.1388	+ 0.0102		3668
3669	Virginis	7-8	1	91°37	3	14 5 17.245	+ 3.0987	+ 0.0087		3669
3670	Virginis	7-8	2	85°06	3	14 5 56.200	+ 3.1377	+ 0.0101		3670
3671	Virginis	8-7	1	85°43	3	14 6 6.489	+ 3.1411	+ 0.0102		3671
3672	Hydræ	6-7	1	82°71	3	14 6 11.050	+ 3.3816	+ 0.0210		3672
3673	97 Virginis	7	2	87°04	3	14 6 41.688	+ 3.1885	+ 0.0122	+ 0.0019	3673
3674	98 Virginis κ	4-5	3	86°42	31	14 7 1.617	+ 3.1936	+ 0.0123	- 0.0004	3674
3675	Boötis	6	1	84°10	3	14 7 11.831	+ 2.4188	- 0.0055		3675
3676	Virginis	7	2	89°05	3	14 7 12.760	+ 3.2396	+ 0.0143		3676
3677	Virginis	7-8	1	89°74	3	14 7 29.255	+ 3.1708	+ 0.0113		3677
3678	Virginis	7	3	87°88	4	14 7 48.528	+ 3.2141	+ 0.0132		3678
3679	Virginis	8	2	92°04	3	14 7 54.221	+ 3.3259	+ 0.0182	- 0.0180	3679
3680	Virginis	6	2	84°42	3	14 8 0.399	+ 3.0765	+ 0.0078	+ 0.0120	3680
3681	Virginis	8-9	1	92°37	3	14 8 9.126	+ 3.2886	+ 0.0165		3681
3682	Virginis	10	6	91°09	3	14 8 15.405	+ 3.2140	+ 0.0132		3682
3683	Virginis	7-6	3	82°35	3	14 8 37.447	+ 3.1402	+ 0.0103	- 0.0217	3683
3684	Libræ	8-7	2	92°37	3	14 8 43.528	+ 3.3395	+ 0.0188		3684
3685	Libræ	8	1	92°37	3	14 8 58.244	+ 3.3614	+ 0.0198		3685
3686	Virginis	6-5	2	83°57	4	14 9 20.313	+ 3.3005	+ 0.0169		3686
3687	Virginis	8	1	92°06	3	14 9 49.483	+ 3.2724	+ 0.0156		3687
3688	Virginis	8-9	2	92°36	3	14 9 50.282	+ 3.2594	+ 0.0151		3688
3689	Virginis	7-8	2	85°44	3	14 9 53.476	+ 3.1626	+ 0.0111		3689
3690	99 Virginis ι	4	3	84°80	5	14 10 14.789	+ 3.1415	+ 0.0102	- 0.0031	3690

3646. For the companion star see 3645.

3666. Red star.

3682. This star has been suspected of variability between the 7.5 and 10 magnitudes; but the Oxford estimations of magnitude were

10, 10, 10-9, 10-9, 10, 10, on 1888 May 25, 1889 May 23, 1890 May 30, June 6, 1892 June 7, 1893 May 9 respectively.

3659. A companion, of the 9-10 magnitude, precedes, and is north.

3674. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3646	85°35	3	96 1 26.62	+17.408	-0.235				25841	1000			3646
3647	84°35	3	105 48 30.85	+17.400	-0.244				25842				3647
3648	85°43	3	104 19 42.33	+17.398	-0.243			290	25847	1003			3648
3649	91°40	3	96 44 54.71	+17.391	-0.236								3649
3650	92°35	3	114 12 50.13	+17.367	-0.253				25861				3650
3651	83°02	3	116 9 6.61	+17.362	-0.256	+0.170	1832	295	25862		7718	2189	3651
3652	84°56	5	98 21 58.07	+17.346	-0.239	-0.012	1833	297	25879	1030	7724	2191	3652
3653	84°72	3	103 40 43.94	+17.334	-0.245				25880	1035			3653
3654	84°39	3	98 47 17.45	+17.327	-0.241	-0.015	1834	299		1041		2192	3654
3655	82°53	39	25 5 53.62	+17.304	-0.128	-0.016	1836	312				2193	3655
3656	92°36	3	112 46 23.56	+17.295	-0.255								3656
3657	92°07	3	110 40 14.96	+17.288	-0.253								3657
3658	92°33	3	90 33 7.53	+17.282	-0.235					1059			3658
3659	88°70	3	102 24 6.25	+17.272	-0.246	+0.110			25901	1060			3659
3660	86°37	3	101 18 22.04	+17.252	-0.246			308	25917	1071			3660
3661	92°04	3	93 0 34.59	+17.248	-0.239				25923	1077			3661
3662	88°71	3	108 43 18.28	+17.237	-0.254			310	25922				3662
3663	91°72	3	107 58 44.60	+17.235	-0.253				25927				3663
3664	82°36	3	99 48 46.94	+17.227	-0.246	-0.019	1835	311	25931	1088		2196	3664
3665	91°73	3	97 28 56.09	+17.222	-0.244					1089			3665
3666	87°05	3	90 7 47.21	+17.178	-0.239				25957	25			3666
3667	83°41	3	105 46 55.47	+17.151	-0.254			317	25965			2199	3667
3668	84°05	3	95 27 15.00	+17.134	-0.245			3	25987	39			3668
3669	91°37	3	92 9 19.89	+17.131	-0.242				25991	41			3669
3670	85°14	4	95 20 20.52	+17.101	-0.246				26009				3670
3671	85°43	3	95 36 32.02	+17.093	-0.247			10	26018	53			3671
3672	82°71	3	113 50 43.14	+17.090	-0.265				26006		7761		3672
3673	87°04	3	99 22 55.92	+17.066	-0.252	+0.023	1841	11	26029	62			3673
3674	84°73	9	99 45 40.43	+17.051	-0.252	-0.141	1842	14	26035	68	7771	2203	3674
3675	84°10	3	47 8 32.49	+17.043	-0.193				26064				3675
3676	89°05	3	103 20 34.28	+17.042	-0.256				26040	73			3676
3677	89°74	3	97 55 42.74	+17.030	-0.251					79			3677
3678	87°88	4	101 19 19.85	+17.015	-0.255				26048				3678
3679	92°04	3	109 41 31.73	+17.011	-0.264	+0.030			26056	90			3679
3680	84°42	3	90 19 32.76	+17.006	-0.245	+0.120			26054				3680
3681	92°37	3	106 56 55.41	+16.999	-0.262								3681
3682	92°06	3	101 16 27.16	+16.994	-0.256								3682
3683	82°35	3	95 26 9.48	+16.977	-0.251	-0.090	1843	19	26072	100			3683
3684	92°63	4	110 33 3.38	+16.972	-0.267				26067				3684
3685	92°37	3	112 3 0.20	+16.961	-0.269				26070				3685
3686	83°57	4	107 41 13.11	+16.944	-0.265			22	26082			2206	3686
3687	92°06	3	105 34 8.98	+16.921	-0.263				26094				3687
3688	92°36	3	104 35 48.34	+16.920	-0.262					122			3688
3689	85°44	3	97 9 8.31	+16.918	-0.255				26102	123			3689
3690	84°37	3	95 28 30.30	+16.901	-0.254	+0.417	1846	28	26112	133		2212	3690

3647, 3651, 3655, 3674, 3675, 3690, are respectively 3128, 3132, 3138, 3150, 3151, 3163 of the Radcliffe Catalogue, 1845.
 3647, 3651, 3652, 3654, 3664, 3667, 3671, 3673, 3674, 3683, 3686, 3690, are respectively 1349, 1352, 1354, 1355, 1361, 1362, 1364, 1365, 1368, 1371, 1374, 1379 of the Radcliffe Catalogue, 1860.
 3659, 3679, 3680. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
3691	Virginis	7-6	3	85°07	3	14	10	34.497	+ 3.1497	+ 0.0106	- 0.0130	3691
3692	16 Boötis <i>a</i>	1	1	83°64	41	14	10	38.647	+ 2.8134	+ 0.0004	- 0.0799	3692
3693	Virginis	6-7	2	85°76	3	14	10	48.136	+ 3.1064	+ 0.0090		3693
3694	Virginis	7-6	2	88°74	3	14	10	58.416	+ 3.1789	+ 0.0116		3694
3695	Libræ	7-6	2	86°71	3	14	10	58.711	+ 3.3085	+ 0.0171		3695
3696	Virginis	7-8	1	89°02	3	14	11	3.638	+ 3.1375	+ 0.0101		3696
3697	Virginis	9-10	3	91°68	3	14	11	15.410	+ 3.0831	+ 0.0082		3697
3698	Virginis	8	1	92°02	3	14	11	19.056	+ 3.1209	+ 0.0095		3698
3699	Libræ	7-8	2	86°68	3	14	11	21.047	+ 3.3285	+ 0.0181		3699
3700	Libræ	8-7	2	89°35	3	14	11	31.890	+ 3.3558	+ 0.0193		3700
3701	Virginis	7-6	2	87°11	3	14	11	32.121	+ 3.1811	+ 0.0118		3701
3702	Virginis	9-8	1	91°75	3	14	12	6.558	+ 3.2596	+ 0.0149		3702
3703	Virginis	7-6	2	85°04	3	14	12	10.252	+ 3.1623	+ 0.0110	+ 0.0190	3703
3704	Libræ	6	1	87°39	3	14	12	33.132	+ 3.3129	+ 0.0173		3704
3705	Libræ	7-8	...	91°74	3	14	12	53.417	+ 3.3751	+ 0.0200		3705
3706	Virginis	8	1	92°03	3	14	12	54.010	+ 3.2223	+ 0.0134		3706
3707	100 Virginis <i>λ</i>	5-4*	...	82°76	3	14	13	9.349	+ 3.2401	+ 0.0141	- 0.0025	3707
3708	Libræ	7-8	3	87°42	4	14	13	20.833	+ 3.3114	+ 0.0171		3708
3709	102 Virginis <i>v</i> ¹	6-5	2	84°83	5	14	13	52.322	+ 3.0951	+ 0.0087	- 0.0088	3709
3710	Virginis	7-8	1	91°37	3	14	13	54.335	+ 3.1324	+ 0.0100	- 0.0460	3710
3711	Virginis	7-6	1	85°42	3	14	14	6.418	+ 3.1532	+ 0.0107		3711
3712	Hydræ	8	3	92°04	3	14	14	20.514	+ 3.4018	+ 0.0212		3712
3713	Libræ	7-8	1	87°41	3	14	14	24.140	+ 3.2990	+ 0.0166		3713
3714	Virginis	9-8	3	92°07	3	14	14	24.602	+ 3.1789	+ 0.0116		3714
3715	20 Boötis	5*	...	89°42	3	14	14	32.857	+ 2.8488	+ 0.0015	- 0.0110	3715
3716	Virginis	7-6	2	89°13	4	14	15	40.004	+ 3.2022	+ 0.0125		3716
3717	Centauri	6	...	90°07	3	14	15	44.008	+ 3.5813	+ 0.0302		3717
3718	Virginis	7	2	85°39	3	14	16	13.144	+ 3.1722	+ 0.0113		3718
3719	103 Virginis <i>v</i> ²	7	2	82°35	3	14	16	18.330	+ 3.0919	+ 0.0085	- 0.0073	3719
3720	Libræ	7	3	89°38	3	14	16	25.393	+ 3.3491	+ 0.0186		3720
3721	51 Hydræ	6-5*	...	80°36	3	14	16	45.411	+ 3.4594	+ 0.0236	- 0.0161	3721
3722	Virginis	7	3	82°40	3	14	16	49.308	+ 3.1682	+ 0.0111	- 0.0010	3722
3723	Virginis	7	3	82°41	3	14	16	49.418	+ 3.1683	+ 0.0111	- 0.0010	3723
3724	Virginis	7	4	84°64	4	14	17	8.225	+ 3.0743	+ 0.0081		3724
3725	2 Libræ	6-7	3	83°41	3	14	17	30.386	+ 3.2221	+ 0.0132	- 0.0031	3725
3726	Libræ	8-7	2	85°44	3	14	17	51.759	+ 3.3374	+ 0.0180		3726
3727	Libræ	7	2	84°39	3	14	17	55.704	+ 3.2838	+ 0.0156		3727
3728	Libræ	8-9	1	91°73	3	14	18	28.316	+ 3.3134	+ 0.0169		3728
3729	Hydræ	6-5	1	82°70	3	14	18	31.947	+ 3.4156	+ 0.0213		3729
3730	Libræ	8-7	2	92°04	3	14	18	37.274	+ 3.2562	+ 0.0145		3730
3731	Libræ	6-7	1	87°02	3	14	18	46.034	+ 3.2228	+ 0.0132	- 0.0030	3731
3732	Virginis	7	2	85°43	3	14	18	54.898	+ 3.0970	+ 0.0088		3732
3733	Libræ	7	2	85°02	3	14	19	19.051	+ 3.3424	+ 0.0181		3733
3734	Libræ	7-6	3	86°42	3	14	19	19.980	+ 3.2468	+ 0.0141		3734
3735	Libræ	7-6	2	85°02	3	14	19	21.391	+ 3.3425	+ 0.0181		3735

3692. This star in the Harvard Photometry is brighter by 1.0 than the unit magnitude.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3691	85°07	3	96 6 34.69	+16.886	-0.255	+0.020				135			3691
3692	82°64	54	70 14 40.24	+16.882	-0.229	+1.977	1847	32	26132		7795	2214	3692
3693	85°76	3	92 41 2.34	+16.875	-0.252					143			3693
3694	88°74	3	98 22 23.13	+16.867	-0.258					145			3694
3695	86°71	3	108 4 28.71	+16.866	-0.268								3695
3696	89°02	3	95 7 58.13	+16.862	-0.255								3696
3697	91°68	3	90 50 11.49	+16.853	-0.251					150			3697
3698	92°02	3	93 49 3.47	+16.850	-0.254					153			3698
3699	86°68	3	109 27 9.18	+16.849	-0.271				26131				3699
3700	89°35	3	111 19 7.20	+16.840	-0.273								3700
3701	87°11	3	98 30 44.24	+16.840	-0.259					157			3701
3702	91°75	3	104 24 7.19	+16.812	-0.266					170			3702
3703	85°04	3	97 1 32.48	+16.810	-0.259	+0.220			26147				3703
3704	87°39	3	108 12 22.19	+16.792	-0.271				26150			2219	3704
3705	91°74	3	112 26 43.11	+16.776	-0.277								3705
3706	92°03	3	101 33 17.21	+16.775	-0.265					184			3706
3707	82°76	3	102 51 51.22	+16.763	-0.267	-0.029	1850	37	26167		7815	2223	3707
3708	87°42	4	108 0 57.76	+16.753	-0.273			38	26172				3708
3709	84°42	3	91 45 23.60	+16.729	-0.256	+0.068	1851	43	26191	208			3709
3710	91°37	3	94 38 27.05	+16.727	-0.259	+0.100			26196	209			3710
3711	85°42	3	96 14 19.68	+16.717	-0.261			44	26198	211			3711
3712	92°04	3	114 0 3.52	+16.705	-0.282				26193				3712
3713	87°41	3	107 1 20.22	+16.703	-0.273				26199				3713
3714	92°07	3	98 10 56.66	+16.702	-0.264				26203	220			3714
3715	88°75	4	73 11 19.51	+16.696	-0.237	-0.058	1855	51	26220			2227	3715
3716	89°06	3	99 51 58.50	+16.641	-0.268					238			3716
3717	87°64	4	124 17 4.77	+16.638	-0.298			53			7835		3717
3718	85°39	3	97 35 13.85	+16.614	-0.266				26242	248			3718
3719	82°35	3	91 29 5.62	+16.610	-0.260	+0.007	1858	59	26249	251		2228	3719
3720	89°38	3	110 15 21.05	+16.604	-0.281								3720
3721	80°36	3	117 14 55.06	+16.587	-0.290	+0.130	1857	58	26247		7846		3721
3722	82°40	4	97 15 43.20	+16.584	-0.267	+0.170			26267	260			3722
3723	82°41	5	97 15 48.40	+16.584	-0.267	+0.170		62	26267	260			3723
3724	84°64	4	90 8 5.08	+16.569	-0.260				26273	271			3724
3725	83°41	3	101 12 41.99	+16.551	-0.272	+0.059	1860	64	26277			2229	3725
3726	85°44	3	109 17 56.65	+16.533	-0.283				26283				3726
3727	84°39	3	105 36 4.66	+16.530	-0.278				26287				3727
3728	91°73	3	107 36 0.65	+16.503	-0.282								3728
3729	82°70	3	114 18 23.53	+16.500	-0.290			68	26298		7861		3729
3730	92°04	3	103 34 54.42	+16.496	-0.277					293			3730
3731	87°02	3	101 10 11.39	+16.488	-0.275	+0.024	1861	70	26307	297			3731
3732	85°43	3	91 50 38.50	+16.480	-0.264			74	26317	305			3732
3733	85°02	3	109 28 1.86	+16.461	-0.286				26319				3733
3734	86°42	3	102 51 18.01	+16.460	-0.278			76		315			3734
3735	85°02	3	109 28 17.08	+16.459	-0.286				26320				3735

3692, 3707, 3725, are respectively 3168, 3178, 3190 of the Radcliffe Catalogue, 1845.
 3692, 3707, 3715, 3721, 3722, 3723, 3725 are respectively 1380, 1387, 1389, 1390, 1391, 1392, 1393 of the Radcliffe Catalogue, 1860.
 3691, 3703, 3710, 3722, 3723. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
3736	Virginis	8	2	91.86	4	14	20	14.701	+ 3.1157	+ 0.0094		3736
3737	22 Boötis <i>f</i>	5	3	85.82	34	14	21	20.427	+ 2.7953	+ 0.0010	— 0.0057	3737
3738	Libræ	7-8	2	91.75	3	14	21	20.921	+ 3.3771	+ 0.0194		3738
3739	Libræ	7	3	88.87	4	14	21	22.007	+ 3.2702	+ 0.0149	— 0.0150	3739
3740	104 Virginis	6-7	2	85.05	3	14	21	37.808	+ 3.1488	+ 0.0105	— 0.0064	3740
3741	52 Hydræ	6-5*	...	86.39	3	14	21	43.718	+ 3.5021	+ 0.0251	— 0.0036	3741
3742	Libræ	7-6	3	86.42	3	14	21	47.451	+ 3.2496	+ 0.0142		3742
3743	Libræ	8-9	3	92.08	3	14	22	9.233	+ 3.3947	+ 0.0200		3743
3744	Libræ	8	3	92.38	3	14	22	15.235	+ 3.3943	+ 0.0200		3744
3745	Virginis	9-8	...	92.71	3	14	22	19.128	+ 3.1855	+ 0.0118		3745
3746	Virginis	7-8	2	85.76	3	14	22	22.577	+ 3.1066	+ 0.0092		3746
3747	Virginis	9-8	2	92.09	3	14	22	27.441	+ 3.0742	+ 0.0082		3747
3748	105 Virginis <i>φ</i>	6-5	3	83.40	3	14	22	31.968	+ 3.0961	+ 0.0088	— 0.0102	3748
3749	Libræ	6-7	1	88.72	3	14	22	39.219	+ 3.2031	+ 0.0123		3749
3750	Libræ	8	1	92.36	3	14	22	41.541	+ 3.3047	+ 0.0163		3750
3751	106 Virginis	6-5	2	84.39	3	14	22	53.526	+ 3.1601	+ 0.0108	— 0.0030	3751
3752	Virginis	7	1	87.45	3	14	23	2.675	+ 3.1371	+ 0.0101		3752
3753	Libræ	7-8	2	85.40	3	14	24	12.551	+ 3.2798	+ 0.0152		3753
3754	Virginis	7-6	2	82.43	3	14	24	16.535	+ 3.1242	+ 0.0097		3754
3755	Libræ	7-8	2	85.43	3	14	24	26.404	+ 3.3903	+ 0.0196		3755
3756	Libræ	7-8	1	87.35	3	14	24	40.513	+ 3.3632	+ 0.0185		3756
3757	Virginis	7	3	83.42	3	14	24	46.905	+ 3.1218	+ 0.0096		3757
3758	Libræ	8-9	2	91.72	3	14	25	22.458	+ 3.2320	+ 0.0134		3758
3759	Libræ	8-9	1	91.68	3	14	25	48.538	+ 3.2516	+ 0.0140		3759
3760	Libræ	7	2	89.09	3	14	25	51.313	+ 3.4091	+ 0.0203		3760
3761	Libræ	7	2	88.89	4	14	25	53.517	+ 3.2985	+ 0.0158		3761
3762	Libræ	8	...	92.36	3	14	26	15.446	+ 3.3220	+ 0.0167		3762
3763	Hydræ	6-7	...	87.39	3	14	26	38.386	+ 3.5375	+ 0.0261		3763
3764	Libræ	7	2	89.40	3	14	26	52.211	+ 3.4206	+ 0.0207		3764
3765	25 Boötis <i>ρ</i>	3-4	1	82.35	13	14	27	5.402	+ 2.5944	— 0.0015	— 0.0085	3765
3766	Virginis	8-7	2	91.44	3	14	27	32.431	+ 3.1632	+ 0.0109		3766
3767	27 Boötis <i>γ</i>	3-2*	...	89.36	3	14	27	38.774	+ 2.4272	— 0.0027	— 0.0106	3767
3768	5 Ursæ Minoris	5-4*	...	84.45	2	14	27	45.681	— 0.1948	+ 0.1190	+ 0.0013	3768
3769	Libræ	7-8	2	86.41	3	14	27	58.816	+ 3.3083	+ 0.0161		3769
3770	Libræ	8	1	91.75	3	14	27	59.987	+ 3.3501	+ 0.0178		3770
3771	Libræ	8-7	2	85.41	3	14	28	11.864	+ 3.3964	+ 0.0196		3771
3772	Libræ	7-6	3	83.38	3	14	28	39.289	+ 3.3657	+ 0.0184		3772
3773	Virginis	8-9	1	92.38	3	14	28	50.643	+ 3.1104	+ 0.0093		3773
3774	Virginis	9-8	3	92.08	3	14	29	8.255	+ 3.0856	+ 0.0086		3774
3775	Libræ	7-8	3	85.42	3	14	29	53.193	+ 3.3961	+ 0.0194		3775
3776	Virginis	7-8	2	85.34	3	14	29	56.964	+ 3.1882	+ 0.0117		3776
3777	Virginis	7-8	4	90.06	3	14	29	57.911	+ 3.1406	+ 0.0101		3777
3778	Libræ	8-9	2	92.07	3	14	30	19.102	+ 3.2690	+ 0.0145		3778
3779	Libræ	6-7	2	82.38	4	14	31	8.607	+ 3.2442	+ 0.0136	— 0.0586	3779
3780	Virginis	7	4	85.04	5	14	31	24.510	+ 3.1214	+ 0.0096		3780

3740. The N.P.D. of this star in Weisse's Bessel is 2' too small.

3742. The N.P.D. of this star in Weisse's Bessel is 3' too great.

3748. A very faint companion follows, and is south.

3755. Lalande's N.P.D. is 1' too small.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3736	91.86	4	93 12 57.84	+ 16.414	- 0.268				26351	327			3736
3737	81.27	23	70 16 41.13	+ 16.359	- 0.243	- 0.029	1864	86	26396		7882	2239	3737
3738	91.75	3	111 29 50.06	+ 16.358	- 0.292				26370				3738
3739	88.87	4	104 20 31.61	+ 16.358	- 0.283	+ 0.070			26376	347			3739
3740	85.05	3	95 37 24.14	+ 16.344	- 0.273	+ 0.056	1863	84	26386	359			3740
3741	84.87	4	118 59 48.96	+ 16.339	- 0.303	+ 0.042	1862	82	26375		7884	2240	3741
3742	86.42	3	102 51 50.84	+ 16.337	- 0.282			85	26388	360			3742
3743	92.08	3	112 31 2.79	+ 16.318	- 0.295								3743
3744	92.38	3	112 28 49.98	+ 16.312	- 0.295								3744
3745	92.71	3	98 15 47.34	+ 16.309	- 0.277								3745
3746	85.76	3	92 30 37.58	+ 16.307	- 0.271			88	26411				3746
3747	92.09	3	90 7 42.93	+ 16.303	- 0.268								3747
3748	83.40	3	91 44 3.69	+ 16.298	- 0.270	+ 0.002	1865	90	26415	374		2242	3748
3749	88.72	3	99 30 38.53	+ 16.292	- 0.279			89	26414	375			3749
3750	92.36	3	106 34 58.59	+ 16.290	- 0.288				26413				3750
3751	84.39	3	96 24 20.77	+ 16.280	- 0.276	+ 0.051	1866	91	26422	382	7891	2243	3751
3752	87.45	3	94 43 37.17	+ 16.272	- 0.274				26426	383			3752
3753	85.40	3	104 45 36.84	+ 16.212	- 0.289				26453	402			3753
3754	82.43	3	93 45 22.08	+ 16.209	- 0.275			95	26459	405			3754
3755	85.43	3	111 58 15.22	+ 16.201	- 0.298				26447				3755
3756	87.35	3	110 13 40.77	+ 16.189	- 0.296				26462				3756
3757	83.42	3	93 34 30.00	+ 16.183	- 0.276			98	26477	412			3757
3758	91.72	3	101 22 51.27	+ 16.153	- 0.286				26484	424			3758
3759	91.68	3	102 42 15.56	+ 16.129	- 0.289					432			3759
3760	89.09	3	112 57 31.00	+ 16.128	- 0.302				26493				3760
3761	88.89	4	105 52 27.43	+ 16.126	- 0.293				26498				3761
3762	92.36	3	107 23 38.69	+ 16.106	- 0.296				26504				3762
3763	87.39	3	120 13 40.43	+ 16.087	- 0.315						7921		3763
3764	89.40	3	113 31 59.08	+ 16.075	- 0.305				26517				3764
3765	81.27	9	59 8 43.55	+ 16.063	- 0.233	- 0.125	1869	112	26550		7928	2248	3765
3766	91.44	3	96 27 1.84	+ 16.039	- 0.284			108	26536	460			3766
3767	87.93	8	51 12 36.51	+ 16.033	- 0.220	- 0.153	1871	117	26569			2250	3767
3768	89.63	15	13 48 54.10	+ 16.027	+ 0.010	- 0.026	1873	136				2251	3768
3769	86.41	3	106 20 5.59	+ 16.016	- 0.297				26543				3769
3770	91.75	3	109 2 5.35	+ 16.015	- 0.301				26541				3770
3771	85.41	3	111 54 22.93	+ 16.004	- 0.305				26547				3771
3772	83.38	3	109 57 22.26	+ 15.980	- 0.303			116	26559			2253	3772
3773	92.38	3	92 41 9.84	+ 15.970	- 0.281				26573	487			3773
3774	92.08	3	90 55 46.04	+ 15.955	- 0.280				26583	496			3774
3775	85.42	3	111 41 47.75	+ 15.915	- 0.308				26586				3775
3776	85.34	3	98 5 36.21	+ 15.912	- 0.290					507			3776
3777	90.06	3	94 47 6.77	+ 15.911	- 0.286				26596	508			3777
3778	92.07	3	103 32 50.34	+ 15.892	- 0.298					512			3778
3779	82.38	4	101 50 14.47	+ 15.848	- 0.297	- 0.387		127	26630			2259	3779
3780	85.04	5	93 24 44.18	+ 15.834	- 0.286			130	26639	540			3780

3767, 3768, are respectively 3216, 3225 of the Radcliffe Catalogue, 1845.
 3737, 3765, 3767, 3779, are respectively 1398, 1402, 1404, 1407 of the Radcliffe Catalogue, 1860.
 3739. The Proper Motions have been determined in the formation of the present Catalogue.
 3779. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A. h. m. s.	Precess. s.	Sec. Var. s.	Proper Motion. s.	No.
3781	Libræ	8	1	92°35	3	14 31 42.695	+ 3.4160	+ 0.0200		3781
3782	Virginis	7-8	2	89°37	3	14 32 6.450	+ 3.1456	+ 0.0103		3782
3783	Libræ	7-8	2	88°42	3	14 32 9.980	+ 3.2541	+ 0.0139	- 0.0200	3783
3784	Libræ	8-7	1	92°38	3	14 32 10.857	+ 3.2068	+ 0.0123		3784
3785	Virginis	7	3	85°45	3	14 32 45.522	+ 3.1178	+ 0.0095		3785
3786	Virginis	8	2	92°33	3	14 32 46.635	+ 3.1694	+ 0.0110		3786
3787	3 Libræ	7-8	3	86°73	3	14 33 0.828	+ 3.4506	+ 0.0213		3787
3788	Libræ	7	2	84°39	3	14 33 5.630	+ 3.2197	+ 0.0127		3788
3789	Libræ	8-9	1	92°09	3	14 33 15.827	+ 3.3324	+ 0.0167		3789
3790	Libræ	8	4	91°75	3	14 34 3.505	+ 3.3069	+ 0.0157		3790
3791	Libræ	8-7	4	91°43	3	14 34 27.086	+ 3.3076	+ 0.0157		3791
3792	Libræ	7-6	1	89°01	3	14 34 31.026	+ 3.2740	+ 0.0145		3792
3793	Libræ	8-7	3	92°05	3	14 34 50.306	+ 3.4128	+ 0.0196		3793
3794	Libræ	7	2	87°44	3	14 35 13.978	+ 3.3684	+ 0.0179		3794
3795	Virginis	8-7	3	85°44	3	14 35 49.450	+ 3.0955	+ 0.0089		3795
3796	30 Boötis ζ	3-4	2	84°16	6	14 35 53.759	+ 2.8597	+ 0.0033	+ 0.0019	3796
3797	Virginis	8-7	1	91°37	3	14 35 55.808	+ 3.0860	+ 0.0087		3797
3798	Libræ	7	4	85°38	3	14 36 4.141	+ 3.2478	+ 0.0135		3798
3799	Libræ	8	4	86°72	3	14 36 22.942	+ 3.2468	+ 0.0135		3799
3800	Libræ	7	2	88°78	4	14 36 34.632	+ 3.3605	+ 0.0176		3800
3801	4 Libræ	6-5	1	82°42	3	14 36 51.959	+ 3.4582	+ 0.0213	- 0.0032	3801
3802	Centauri	4-5	...	86°73	3	14 36 55.578	+ 3.6580	+ 0.0301	- 0.0060	3802
3803	107 Virginis μ	4*	...	83°66	5	14 37 15.789	+ 3.1493	+ 0.0103	+ 0.0056	3803
3804	Libræ	7-6	2	83°42	3	14 37 31.843	+ 3.2103	+ 0.0122		3804
3805	Virginis	7	2	86°39	3	14 38 4.814	+ 3.1028	+ 0.0091		3805
3806	Centauri	5	...	86°71	3	14 38 14.159	+ 3.6626	+ 0.0301		3806
3807	Libræ	7-6	2	85°38	3	14 38 23.688	+ 3.1890	+ 0.0116		3807
3808	Libræ	7	3	83°41	3	14 38 51.801	+ 3.2114	+ 0.0123		3808
3809	Virginis	6-7	2	88°78	3	14 39 32.035	+ 3.0867	+ 0.0087		3809
3810	54 Hydræ	6-5	2	89°06	3	14 39 37.886	+ 3.4720	+ 0.0216	- 0.0147	3810
3811	Hydræ	7-8	2	91°42	2	14 39 38.398	+ 3.4720	+ 0.0216	- 0.0147	3811
3812	Libræ	7	2	87°39	3	14 39 44.249	+ 3.3387	+ 0.0165		3812
3813	Libræ	6-7	1	84°39	3	14 39 47.878	+ 3.4314	+ 0.0199		3813
3814	5 Libræ	7-6	2	84°36	3	14 39 53.751	+ 3.3026	+ 0.0153	- 0.0028	3814
3815	Libræ	7-6	2	84°43	3	14 39 56.482	+ 3.3973	+ 0.0186	- 0.0060	3815
3816	35 Boötis θ	5-4*	...	89°68	3	14 40 6.544	+ 2.8026	+ 0.0024	- 0.0051	3816
3817	36 Boötis ε ¹	7	...	91°11	3	14 40 10.860	+ 2.6240	0.0000	- 0.0043	3817
3818	36 Boötis ε ²	3	...	84°75	27	14 40 11.010	+ 2.6240	0.0000	- 0.0043	3818
3819	Libræ	7	2	87°45	3	14 40 22.674	+ 3.1833	+ 0.0113		3819
3820	Libræ	6-7	3	89°09	3	14 40 58.346	+ 3.4017	+ 0.0186		3820
3821	Virginis	8	2	91°70	3	14 41 28.038	+ 3.1296	+ 0.0098		3821
3822	Libræ	6-7	3	85°44	5	14 41 54.767	+ 3.2629	+ 0.0138		3822
3823	Libræ	7-8	...	91°72	3	14 42 15.295	+ 3.1493	+ 0.0104		3823
3824	Libræ	7	2	87°09	3	14 42 23.261	+ 3.3364	+ 0.0163		3824
3825	Libræ	8	2	92°08	3	14 42 51.157	+ 3.1741	+ 0.0110		3825

3792. Reddish star.
 3798, 3799. The magnitudes assigned to these stars in Lalande are 8 and 6½ respectively.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3781	92°35	3	112 41 10'54	+15°817	-0°313				26633				3781
3782	89°37	3	95 4 14'34	+15°797	-0°289			133	26659	556			3782
3783	88°42	3	102 25 53'86	+15°793	-0°299	+0°030				552			3783
3784	92°38	3	99 15 37'16	+15°792	-0°295				26657	557			3784
3785	85°45	3	93 8 1'73	+15°761	-0°288				26673	564			3785
3786	92°23	3	96 41 2'51	+15°760	-0°293				26672	561			3786
3787	86°73	3	114 33 7'62	+15°747	-0°318			134	26669		7970		3787
3788	84°39	3	100 4 44'43	+15°743	-0°298			137	26683	569			3788
3789	92°09	3	107 24 40'69	+15°734	-0°308				26684				3789
3790	91°75	3	105 43 33'55	+15°690	-0°307				26702				3790
3791	91°43	3	105 44 1'77	+15°669	-0°308				26706				3791
3792	89°01	3	103 34 23'25	+15°665	-0°305				26708	593			3792
3793	92°13	4	112 8 43'89	+15°648	-0°318			142	26710				3793
3794	87°44	3	109 27 18'09	+15°626	-0°315				26719				3794
3795	85°44	3	91 34 8'01	+15°595	-0°291				26741				3795
3796	84°53	5	75 47 57'09	+15°590	-0°269	+0°010	1876	152	26761			2268	3796
3797	91°37	3	90 54 58'30	+15°588	-0°290					626			3797
3798	85°38	3	101 45 49'80	+15°580	-0°305			146	26743	625			3798
3799	86°72	3	101 40 58'29	+15°563	-0°305			151	26759	630			3799
3800	88°93	4	108 50 33'35	+15°552	-0°316				26760				3800
3801	82°42	3	114 31 41'59	+15°536	-0°326	+0°007	1874	154			8007		3801
3802	86°73	3	124 42 3'36	+15°533	-0°344	+0°180		150			8008	2271	3802
3803	82°47	3	95 10 46'50	+15°514	-0°298	+0°305	1880	158	26790	648	8013	2272	3803
3804	83°42	3	99 13 49'19	+15°500	-0°304					651			3804
3805	86°39	3	92 2 12'90	+15°470	-0°295				26824	661			3805
3806	84°18	5	124 43 35'70	+15°460	-0°347			159			8018		3806
3807	85°38	3	97 47 13'62	+15°451	-0°303				26826	664			3807
3808	83°41	3	99 14 10'05	+15°425	-0°306					671			3808
3809	88°78	3	90 57 8'93	+15°388	-0°295				26869	695		2274	3809
3810	89°06	3	114 58 32'77	+15°382	-0°331	+0°102	1881	163	26847		8035	2275	3810
3811	90°74	3	114 58 38'98	+15°382	-0°331	+0°102	1881	163	26847			2276	3811
3812	87°39	3	107 13 56'06	+15°377	-0°319				26858				3812
3813	84°39	3	112 41 12'49	+15°373	-0°328				26855			2279	3813
3814	84°36	3	104 59 43'88	+15°367	-0°316	-0°006	1882	167	26873	701		2280	3814
3815	84°43	3	110 42 32'41	+15°364	-0°325	+0°140		166	26866				3815
3816	87°13	4	72 34 10'34	+15°356	-0°270	+0°052	1888	172	26893			2281	3816
3817	88°71	4	62 27 39'21	+15°351	-0°253	-0°001						2282	3817
3818	81°30	30	62 27 41'41	+15°351	-0°253	-0°001	1890	175	26908		8039	2283	3818
3819	87°45	3	97 19 57'96	+15°340	-0°306				26884	709			3819
3820	89°09	3	110 51 46'51	+15°307	-0°327			171	26892				3820
3821	91°70	3	93 46 19'17	+15°278	-0°302					732			3821
3822	85°43	3	102 22 34'47	+15°254	-0°316				26929	739			3822
3823	91°72	3	95 2 44'79	+15°234	-0°305				26942	752			3823
3824	87°09	3	106 52 43'33	+15°227	-0°323				26940				3824
3825	92°08	3	96 38 51'22	+15°200	-0°308				26957	759			3825

3818 is 3258 of the Radcliffe Catalogue, 1845.

3798, 3803, 3810, 3811, 3814, 3818, are respectively 1414, 1415, 1416, 1417, 1418, 1420 of the Radcliffe Catalogue, 1860.

3783, 3815. The Proper Motions have been determined in the formation of the present Catalogue.

3802. The Proper Motions have been taken from the Cape Catalogue, 1880.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
3826	Libræ	6-7	2	90°06	3	14 42 57.280	+ 3.4572	+ 0.0206		3826
3827	Libræ	7-8	1	92°07	3	14 43 14.287	+ 3.2324	+ 0.0128		3827
3828	Libræ	7	4	89°74	3	14 43 14.545	+ 3.3810	+ 0.0177		3828
3829	Virginis	6-7	1	89°41	3	14 43 15.106	+ 3.0784	+ 0.0085		3829
3830	7 Libræ μ	6-5	2	85°35	3	14 43 17.148	+ 3.2854	+ 0.0145	— 0.0066	3830
3831	Libræ	7	...	89°42	3	14 43 32.867	+ 3.1962	+ 0.0117		3831
3832	Libræ	8-7	2	92°39	3	14 43 53.083	+ 3.2073	+ 0.0120		3832
3833	Libræ	7-8	2	89°38	3	14 44 1.513	+ 3.3087	+ 0.0152		3833
3834	8 Libræ	6	1	82°76	3	14 44 35.980	+ 3.3171	+ 0.0155	— 0.0098	3834
3835	Libræ	7	6	86°69	4	14 44 37.828	+ 3.2525	+ 0.0134		3835
3836	9 Libræ α	3	...	86°60	45	14 44 47.523	+ 3.3181	+ 0.0156	— 0.0093	3836
3837	11 Libræ	5-6	2	84°38	3	14 45 18.828	+ 3.1009	+ 0.0091	+ 0.0037	3837
3838	Virginis	6-7	1	86°43	3	14 45 22.181	+ 3.0695	+ 0.0082		3838
3839	Libræ	7-6	3	87°42	3	14 45 25.668	+ 3.3482	+ 0.0165	— 0.0076	3839
3840	10 Libræ	7-6	2	84°44	3	14 45 40.963	+ 3.3582	+ 0.0168	— 0.0048	3840
3841	Centauri	7-6	...	86°40	3	14 45 59.705	+ 3.5865	+ 0.0254	— 0.0290	3841
3842	37 Boötis ξ	4*	...	89°96	4	14 46 18.893	+ 2.7573	+ 0.0022	+ 0.0089	3842
3843	Libræ	9-8	1	92°08	3	14 46 52.408	+ 3.0873	+ 0.0088		3843
3844	Libræ	8-9	2	92°05	3	14 47 1.116	+ 3.4170	+ 0.0187		3844
3845	Libræ	7-8	1	88°42	3	14 47 31.682	+ 3.4610	+ 0.0203		3845
3846	12 Libræ	5-6	2	83°74	3	14 47 56.749	+ 3.4743	+ 0.0208	— 0.0014	3846
3847	13 Libræ ξ ¹	6	1	84°85	5	14 48 24.495	+ 3.2540	+ 0.0133	— 0.0061	3847
3848	Libræ	7-8	2	85°37	3	14 48 36.331	+ 3.1976	+ 0.0116		3848
3849	Libræ	7-8	2	87°10	3	14 48 51.532	+ 3.3917	+ 0.0177		3849
3850	Libræ	8-7	...	92°35	3	14 49 13.259	+ 3.1225	+ 0.0096		3850
3851	Libræ	8-7	1	92°34	3	14 49 23.243	+ 3.1806	+ 0.0111		3851
3852	Libræ	8	...	92°38	3	14 49 31.162	+ 3.2157	+ 0.0121		3852
3853	Libræ	8-7	1	92°37	3	14 49 50.720	+ 3.2884	+ 0.0142		3853
3854	Libræ	7-8	...	92°08	3	14 50 6.779	+ 3.3746	+ 0.0170		3854
3855	Libræ	8	2	92°40	3	14 50 8.998	+ 3.4714	+ 0.0204		3855
3856	Libræ	8-7	3	85°44	3	14 50 11.771	+ 3.3378	+ 0.0158		3856
3857	Libræ	8	1	92°40	3	14 50 27.325	+ 3.1666	+ 0.0107	— 0.0100	3857
3858	Hydræ	7-6	1	84°89	4	14 50 39.767	+ 3.5688	+ 0.0241		3858
3859	15 Libræ ξ ²	5-6	3	87°04	28	14 50 47.898	+ 3.2482	+ 0.0130	— 0.0019	3859
3860	Libræ	8-9	2	89°08	3	14 51 1.294	+ 3.4194	+ 0.0184	+ 0.0691	3860
3861	7 Ursæ Minoris ... β	2*	...	83°72	5	14 51 1.536	— 0.2236	+ 0.1010	— 0.0077	3861
3862	Libræ	6-7	1	84°37	3	14 51 2.408	+ 3.4194	+ 0.0184	+ 0.0691	3862
3863	16 Libræ	5	1	87°47	3	14 51 26.273	+ 3.1345	+ 0.0099	— 0.0061	3863
3864	Libræ	9-8	...	92°89	4	14 51 44.309	+ 3.0882	+ 0.0088		3864
3865	Libræ	7-8	1	88°71	3	14 51 46.214	+ 3.2660	+ 0.0135		3865
3866	1 Serpentis	6-5	3	85°46	3	14 51 54.812	+ 3.0681	+ 0.0083	+ 0.0017	3866
3867	Libræ	7-6	1	87°44	3	14 51 56.142	+ 3.3498	+ 0.0161		3867
3868	59 Hydræ	6	...	89°91	4	14 52 8.490	+ 3.5417	+ 0.0228	— 0.0052	3868
3869	17 Libræ	7	2	85°46	3	14 52 15.729	+ 3.2452	+ 0.0129	— 0.0041	3869
3870	Libræ	8-7	1	92°71	3	14 52 46.883	+ 3.3176	+ 0.0151		3870

3830. Very close double. The first star is blue, and of the 7-8 magnitude, the second star is reddish, and of the 6-7 magnitude. Observed as one mass.

3842. A companion precedes.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. " " "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3826	90°06	3	113 47 34.57	+ 15.194	- 0.336				26952		8066	2286	3826
3827	92°07	3	100 22 7.41	+ 15.178	- 0.315				26967	768			3827
3828	89°74	3	109 26 44.20	+ 15.177	- 0.329				26962				3828
3829	89°41	3	90 23 22.69	+ 15.177	- 0.300				26975	772			3829
3830	85°35	3	103 41 23.73	+ 15.175	- 0.320	+ 0.016	1891	183	26966	767	8069	2287	3830
3831	89°42	3	98 2 43.20	+ 15.160	- 0.312				26978	774			3831
3832	92°39	3	98 44 42.02	+ 15.141	- 0.313				26983	779			3832
3833	89°38	3	105 4 6.86	+ 15.132	- 0.323					781			3833
3834	82°76	3	105 32 22.33	+ 15.100	- 0.325	+ 0.090	1893	186	26995			2291	3834
3835	86°69	4	101 33 42.82	+ 15.098	- 0.319				27005	793			3835
3836	84°44	13	105 35 3.04	+ 15.088	- 0.325	+ 0.072	1894	187	27008		8084	2292	3836
3837	84°38	3	91 50 25.47	+ 15.058	- 0.305	+ 0.132	1897	191	27032	816			3837
3838	86°43	3	89 48 9.83	+ 15.055	- 0.302				27039	818			3838
3839	87°42	3	107 19 55.35	+ 15.051	- 0.329	+ 0.120	1895	188	27029			2294	3839
3840	84°44	3	107 54 5.25	+ 15.037	- 0.331	- 0.014	1896	190	27033				3840
3841	86°40	3	120 7 22.45	+ 15.019	- 0.353	+ 0.020					8093		3841
3842	87°86	5	70 26 30.76	+ 15.001	- 0.273	+ 0.101	1898	197	27073			2303	3842
3843	92°08	3	90 57 18.05	+ 14.968	- 0.306								3843
3844	92°05	3	111 9 13.24	+ 14.960	- 0.338								3844
3845	88°42	3	113 31 25.98	+ 14.929	- 0.343				27081		8108		3845
3846	83°74	3	114 11 30.38	+ 14.905	- 0.345	+ 0.037	1899	199	27088		8116	2304	3846
3847	84°45	3	101 26 55.58	+ 14.878	- 0.325	+ 0.011	1901	206	27115	875		2305	3847
3848	85°37	3	97 56 21.91	+ 14.867	- 0.319				27125	881			3848
3849	87°10	3	109 33 49.77	+ 14.853	- 0.339				27123				3849
3850	92°35	3	93 11 0.28	+ 14.831	- 0.313				27142	890			3850
3851	92°34	3	96 50 42.13	+ 14.821	- 0.319				27144	893			3851
3852	92°38	3	99 1 37.29	+ 14.813	- 0.323								3852
3853	92°37	3	103 27 14.06	+ 14.793	- 0.330				27152	900			3853
3854	92°08	3	108 28 55.80	+ 14.778	- 0.339				27159				3854
3855	92°40	3	113 48 43.99	+ 14.776	- 0.349				27154				3855
3856	85°44	3	106 21 14.68	+ 14.773	- 0.336				27160				3856
3857	92°40	3	95 55 55.58	+ 14.758	- 0.319	+ 0.150			27174	911			3857
3858	84°89	4	118 42 42.95	+ 14.745	- 0.359						8136		3858
3859	84°76	3	100 57 54.73	+ 14.737	- 0.328	- 0.006	1903	214	27182		8137	2308	3859
3860	89°08	3	110 55 0.08	+ 14.724	- 0.345	+ 1.766							3860
3861	82°15	36	15 23 41.84	+ 14.723	+ 0.016	+ 0.005	1917	240				2312	3861
3862	84°37	3	110 55 6.06	+ 14.723	- 0.345	+ 1.766		212	27173			2310	3862
3863	87°47	3	93 53 52.81	+ 14.700	- 0.317	+ 0.155	1905	220	27212	930	8148		3863
3864	92°89	4	90 59 13.34	+ 14.682	- 0.313					941			3864
3865	88°71	3	101 59 39.99	+ 14.680	- 0.331				27215	938			3865
3866	85°47	4	89 43 25.01	+ 14.671	- 0.311	+ 0.006	1908	224	27233	945		2313	3866
3867	87°44	3	106 55 18.23	+ 14.670	- 0.339			223	27219		8156		3867
3868	87°99	5	117 12 54.14	+ 14.657	- 0.359	+ 0.049	1904	222					3868
3869	85°46	3	100 42 43.94	+ 14.650	- 0.330	+ 0.001	1907	225	27237	948		2315	3869
3870	92°71	3	104 59 41.79	+ 14.619	- 0.338				27251	958			3870

3836, 3859, 3861, are respectively 3264, 3287, 3292 of the Radcliffe Catalogue, 1845. [1439, 1440 of the Radcliffe Catalogue, 1860.
 3834, 3836, 3837, 3839, 3842, 3859, 3860, 3861, 3862, 3863, 3869, are respectively 1425, 1426, 1428, 1427, 1430, 1436, 1437, 1441, 1438,
 3841, 3857. The Proper Motions have been determined in the formation of the present Catalogue.
 3862. The Proper Motions in R. A. and N. P. D. have been taken from Bonn Obs., Vol. VII.; and also used for 3860, although there
 appears to be some small relative motion between the stars.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
3871	18 Libræ	6-7	2	85.46	3	14 52 56.532	+ 3.2456	+ 0.0128	- 0.0084	3871
3872	Libræ	6-7	2	85.44	5	14 53 8.757	+ 3.1454	+ 0.0101	- 0.0280	3872
3873	Libræ	8	2	92.38	3	14 54 9.502	+ 3.4523	+ 0.0193		3873
3874	Libræ	8-7	...	92.07	3	14 54 10.055	+ 3.3751	+ 0.0167		3874
3875	19 Libræ δ	Var.	...	82.45	3	14 55 5.672	+ 3.2038	+ 0.0116	- 0.0064	3875
3876	Libræ	9-8	2	91.39	3	14 55 12.902	+ 3.4217	+ 0.0182		3876
3877	40 Boötis	5*	...	89.11	3	14 55 23.797	+ 2.3036	- 0.0002	- 0.0130	3877
3878	60 Hydræ	6-5	1	87.09	3	14 55 32.965	+ 3.5575	+ 0.0230	+ 0.0054	3878
3879	Libræ	6-5	3	84.22	5	14 55 36.940	+ 3.1100	+ 0.0093		3879
3880	Draconis	5	...	89.40	3	14 55 49.942	+ 0.9515	+ 0.0280	- 0.0074	3880
3881	Libræ	7-6	2	84.74	3	14 55 51.807	+ 3.1167	+ 0.0094		3881
3882	2 Serpentis	6	3	85.47	3	14 56 10.871	+ 3.0677	+ 0.0083	- 0.0001	3882
3883	Libræ	7	2	83.74	3	14 56 11.593	+ 3.2017	+ 0.0115		3883
3884	Lupi	6	...	86.39	3	14 56 15.206	+ 3.6582	+ 0.0268		3884
3885	Libræ	6-7	3	85.43	3	14 56 17.238	+ 3.1890	+ 0.0112		3885
3886	Libræ	7-6	1	84.45	3	14 56 38.414	+ 3.1936	+ 0.0113		3886
3887	Libræ	8-7	2	91.71	3	14 56 54.459	+ 3.2362	+ 0.0125		3887
3888	Libræ	7-8	1	87.45	3	14 56 55.476	+ 3.3611	+ 0.0161		3888
3889	Libræ	7-6	1	87.06	3	14 57 1.983	+ 3.1148	+ 0.0094		3889
3890	Libræ	8-7	1	92.04	3	14 57 6.670	+ 3.2781	+ 0.0136		3890
3891	20 Libræ	3-4*	...	85.43	3	14 57 37.818	+ 3.5057	+ 0.0209	- 0.0070	3891
3892	Libræ	8-7	...	92.41	3	14 58 2.379	+ 3.3242	+ 0.0150		3892
3893	Libræ	7-8	...	88.37	3	14 58 54.612	+ 3.4638	+ 0.0192		3893
3894	Libræ	7-8	...	92.41	3	14 59 41.814	+ 3.1815	+ 0.0109		3894
3895	Libræ	9-8	...	92.69	3	14 59 42.632	+ 3.1482	+ 0.0100		3895
3896	43 Boötis ψ	4-5*	...	86.02	18	14 59 43.944	+ 2.5836	+ 0.0011	- 0.0145	3896
3897	Libræ	7	4	87.09	3	14 59 45.733	+ 3.4871	+ 0.0199	- 0.0010	3897
3898	Libræ	8	1	92.42	3	14 59 59.950	+ 3.3971	+ 0.0170		3898
3899	Libræ	8-7	...	92.41	3	15 0 1.601	+ 3.0982	+ 0.0090		3899
3900	Libræ	6-7	1	88.68	3	15 0 6.196	+ 3.4470	+ 0.0186		3900
3901	Libræ	8-9	...	92.70	3	15 0 9.364	+ 3.2242	+ 0.0121		3901
3902	21 Libræ ν ¹	5-6	1	82.46	3	15 0 29.329	+ 3.3411	+ 0.0153	- 0.0052	3902
3903	Libræ	7-8	1	89.06	3	15 0 32.070	+ 3.2822	+ 0.0136		3903
3904	22 Libræ ν ²	7	1	83.34	3	15 0 40.546	+ 3.3454	+ 0.0154	- 0.0078	3904
3905	Libræ	7-8	2	86.10	3	15 0 51.363	+ 3.4904	+ 0.0200		3905
3906	Libræ	8	2	92.41	3	15 2 21.304	+ 3.1978	+ 0.0113	- 0.0120	3906
3907	Libræ	8-7	...	91.96	3	15 2 21.324	+ 3.1281	+ 0.0096		3907
3908	Libræ	7-8	4	87.17	4	15 2 30.007	+ 3.4712	+ 0.0192		3908
3909	Libræ	8-7	2	92.33	3	15 2 56.340	+ 3.2650	+ 0.0131		3909
3910	Libræ	8-7	2	92.42	3	15 2 58.353	+ 3.3038	+ 0.0141		3910
3911	Libræ	7-6	2	84.07	3	15 3 26.235	+ 3.4909	+ 0.0197		3911
3912	Libræ	7	5	88.92	6	15 3 31.118	+ 3.4236	+ 0.0176		3912
3913	Libræ	7	1	85.46	3	15 3 48.123	+ 3.1561	+ 0.0102		3913
3914	Libræ	6	...	80.63	4	15 3 48.147	+ 3.5393	+ 0.0213		3914
3915	Libræ	8-7	1	92.10	3	15 3 58.830	+ 3.3782	+ 0.0162		3915

3875. A variable of the Algol type. The limits of magnitude are 5.0 and 6.2: the period is 2^d 8h.
 3880. Piazzi's N. P. D. is 2' too great.

3892. A star of equal magnitude, Lalande 27402, follows 5^s, and is 2' south.

3894. Close double. The components are of the 8 and 8-9 magnitudes. Observed as one mass.

3891. Reddish star.

3908. Reddish-yellow star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3871	85.46	3	100 42 4.08	+14.609	-0.331	+0.072	1909	228	27266	966		2318	3871
3872	86.09	3	94 32 43.07	+14.597	-0.321	+0.100		229		968			3872
3873	92.38	3	112 24 40.87	+14.537	-0.353								3873
3874	92.07	3	108 11 19.58	+14.536	-0.345			234	27288				3874
3875	82.45	3	98 4 54.85	+14.479	-0.330	+0.009	1911	238	27314	995			3875
3876	91.39	3	110 40 18.73	+14.472	-0.352								3876
3877	85.75	3	50 17 53.00	+14.461	-0.239	-0.047	1914	248	27368			2320	3877
3878	87.09	3	117 37 26.65	+14.452	-0.366	+0.014	1910	237			8179		3878
3879	83.40	3	92 19 5.77	+14.448	-0.321			239	27335			2321	3879
3880	88.08	6	23 37 45.78	+14.435	-0.103	-0.059		260	27441			2322	3880
3881	84.74	3	92 43 32.82	+14.433	-0.322				27342				3881
3882	85.47	3	89 42 16.95	+14.414	-0.317	+0.010	1912	243	27352	1019			3882
3883	83.74	3	97 54 38.05	+14.413	-0.331				27347	1014			3883
3884	84.88	4	122 12 30.03	+14.410	-0.377						8183		3884
3885	85.43	3	97 8 25.76	+14.408	-0.330			241	27349	1018			3885
3886	84.45	3	97 24 21.60	+14.386	-0.331			245	27362	1025			3886
3887	91.71	3	99 57 30.01	+14.369	-0.335				27372	1027			3887
3888	87.45	3	107 11 54.36	+14.369	-0.348			246	27363				3888
3889	87.06	3	92 35 50.35	+14.362	-0.323			249	27380	1033			3889
3890	92.04	3	102 25 28.49	+14.357	-0.340				27376	1031			3890
3891	84.17	4	114 50 56.39	+14.325	-0.364	+0.033	1913	251	27382		8192	2326	3891
3892	92.41	3	105 1 49.55	+14.301	-0.346				27400	1052			3892
3893	88.37	3	112 35 2.10	+14.247	-0.362				27420				3893
3894	92.41	3	96 35 6.36	+14.198	-0.334				27454	1085			3894
3895	92.69	3	94 34 56.02	+14.197	-0.330								3895
3896	81.52	13	62 37 22.54	+14.196	-0.272	+0.008	1922	270	27481		8212	2332	3896
3897	87.09	3	113 42 5.27	+14.194	-0.365	+0.130		261			8210		3897
3898	92.42	3	108 56 57.59	+14.180	-0.356				27451				3898
3899	92.41	3	91 33 26.55	+14.178	-0.326				27469	1094			3899
3900	88.68	3	111 36 12.05	+14.174	-0.362				27453				3900
3901	92.70	3	99 6 37.93	+14.170	-0.339					1093			3901
3902	82.46	3	105 49 47.04	+14.150	-0.351	+0.030	1919	267	27471				3902
3903	89.06	3	102 28 48.07	+14.147	-0.345			268	27473	1099			3903
3904	83.34	3	106 3 27.89	+14.137	-0.352	+0.012	1920	269	27476			2335	3904
3905	86.10	3	113 46 7.31	+14.127	-0.367				27475		8221		3905
3906	92.41	3	97 28 34.94	+14.034	-0.339	+0.440			27531	1137			3906
3907	92.62	3	93 20 1.72	+14.034	-0.332				27537	1140			3907
3908	87.08	3	112 38 37.57	+14.024	-0.368				27519				3908
3909	92.33	3	101 22 6.84	+13.997	-0.347				27552	1149			3909
3910	92.42	3	103 34 42.32	+13.995	-0.351			280		1150			3910
3911	84.07	3	113 33 52.82	+13.966	-0.371			282	27563		8243	2344	3911
3912	88.92	6	110 5 54.99	+13.961	-0.364				27567				3912
3913	85.46	3	94 58 21.17	+13.942	-0.337			286	27589	10			3913
3914	80.56	6	115 54 45.08	+13.942	-0.377				27571		8246		3914
3915	92.10	3	107 38 13.12	+13.931	-0.360				27582				3915

3875, 3877, 3880, 3887, 3891, are respectively 3296, 3298, 3305, 3299, 3303 of the Radcliffe Catalogue, 1845.
 3871, 3887, 3891, 3896, 3902, 3904, are respectively 1442, 1444, 1445, 1449, 1450, 1451 of the Radcliffe Catalogue, 1860.
 3872, 3897, 3906. The Proper Motions have been determined in the formation of the present Catalogue.
 3880. The Proper Motions have been taken from Auwers' "Catalog der Fundamental-Sterne."

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
3916	Serpentis	8-7	...	91°97	3	15	4	19'374	+ 3'0802	+ 0'0086		3916
3917	Libræ	7-8	1	91°72	3	15	5	10'979	+ 3'2892	+ 0'0136		3917
3918	Libræ	7	2	85°43	3	15	5	41'090	+ 3'3455	+ 0'0151		3918
3919	Libræ	7-8	5	88°58	6	15	5	53'304	+ 3'1037	+ 0'0091		3919
3920	24 Libræ ι^1	5	6	87°00	29	15	5	57'012	+ 3'4134	+ 0'0170	- 0'0037	3920
3921	Libræ	7-6	...	87°77	3	15	5	57'156	+ 3'4005	+ 0'0166		3921
3922	Libræ	7-8	3	89°05	3	15	6	11'415	+ 3'3507	+ 0'0152		3922
3923	Libræ	6-7	3	84°11	3	15	6	12'772	+ 3'3818	+ 0'0160		3923
3924	Libræ	6-7	3	82°09	3	15	6	51'577	+ 3'4976	+ 0'0196		3924
3925	Serpentis	7	1	88°77	3	15	6	59'014	+ 3'0719	+ 0'0084		3925
3926	23 Libræ	6-7	1	87°11	3	15	7	2'945	+ 3'5245	+ 0'0205	- 0'0320	3926
3927	25 Libræ ι^2	6-7	2	84°41	3	15	7	3'096	+ 3'4123	+ 0'0169	- 0'0052	3927
3928	Libræ	7	2	89°05	3	15	7	16'337	+ 3'2548	+ 0'0125		3928
3929	Libræ	6	...	86°78	3	15	7	22'291	+ 3'5435	+ 0'0211		3929
3930	Libræ	7-8	...	91°43	3	15	8	0'915	+ 3'2288	+ 0'0118		3930
3931	Libræ	7	...	89°09	3	15	8	13'501	+ 3'3128	+ 0'0141		3931
3932	Libræ	7	3	85°46	3	15	8	14'986	+ 3'3908	+ 0'0162		3932
3933	Serpentis	7-6	...	80°42	4	15	8	19'953	+ 3'0883	+ 0'0087	- 0'0804	3933
3934	26 Libræ	6-7	2	88°94	6	15	8	21'229	+ 3'3785	+ 0'0158	- 0'0033	3934
3935	Libræ	7	2	89°33	3	15	8	44'687	+ 3'1231	+ 0'0095		3935
3936	Libræ	7	2	84°43	3	15	9	2'562	+ 3'1600	+ 0'0102		3936
3937	Libræ	6	2	83°01	5	15	10	0'275	+ 3'4706	+ 0'0184		3937
3938	Libræ	8	2	91°77	3	15	10	13'608	+ 3'1819	+ 0'0107		3938
3939	Libræ	7	2	87°45	3	15	10	45'215	+ 3'2941	+ 0'0134		3939
3940	Libræ	8-9	1	92°07	3	15	10	53'176	+ 3'3407	+ 0'0146		3940
3941	Libræ	8-7	1	92°12	3	15	11	0'000	+ 3'2093	+ 0'0113	- 0'0070	3941
3942	49 Boötis δ	3*	...	86°11	3	15	11	4'129	+ 2'4117	+ 0'0011	+ 0'0069	3942
3943	27 Libræ β	3	3	85°90	49	15	11	5'188	+ 3'2289	+ 0'0117	- 0'0079	3943
3944	2 Lupi	5-4*	...	86°38	3	15	11	8'154	+ 3'6382	+ 0'0238	- 0'0025	3944
3945	Libræ	8	1	92°43	3	15	11	30'248	+ 3'1380	+ 0'0098		3945
3946	Libræ	7	3	85°44	3	15	11	54'132	+ 3'1559	+ 0'0100		3946
3947	Libræ	8	4	88°77	3	15	12	8'557	+ 3'5119	+ 0'0195		3947
3948	Libræ	7-8	4	87°39	4	15	12	42'060	+ 3'5132	+ 0'0195		3948
3949	Serpentis	6-7	3	82°40	3	15	12	47'669	+ 3'0735	+ 0'0084		3949
3950	Libræ	7-8	5	87°40	3	15	13	12'782	+ 3'5142	+ 0'0195		3950
3951	Serpentis	7	3	83°41	3	15	13	15'715	+ 3'0933	+ 0'0088		3951
3952	Libræ	7-8	2	87°44	3	15	13	26'183	+ 3'2262	+ 0'0116		3952
3953	Libræ	8-9	1	92°43	3	15	13	28'769	+ 3'4455	+ 0'0174		3953
3954	Libræ	7-8	1	87°79	3	15	13	33'562	+ 3'4196	+ 0'0166		3954
3955	28 Libræ	7-6	4	84°84	6	15	14	39'435	+ 3'3940	+ 0'0158	- 0'0018	3955
3956	Libræ	7-6	2	84°42	3	15	14	48'575	+ 3'1555	+ 0'0100		3956
3957	29 Libræ θ^1	7-6	3	85°40	3	15	14	52'378	+ 3'3445	+ 0'0145	+ 0'0007	3957
3958	Libræ θ	Var.	3	92°37	3	15	15	4'724	+ 3'4383	+ 0'0170		3958
3959	Serpentis	7-6	2	84°45	3	15	15	6'501	+ 3'1078	+ 0'0091	- 0'0210	3959
3960	Libræ	7-8	2	88°73	3	15	15	18'551	+ 3'1821	+ 0'0105		3960

3932. A star of the 9-8 magnitude, Piazzì XV, 15, follows, and is south.
 3956. The R. A. of this star in Weisse's Bessel is 1^m too great.
 3958. The limits of magnitude are 7.6 and below 13: the period is 192 days.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3916	91° 97	3	90 27 36.99	+ 13.910	- 0.330				27612	25			3916
3917	91° 72	3	102 38 12.35	+ 13.855	- 0.353			1	27629	34			3917
3918	85° 43	3	105 44 33.63	+ 13.824	- 0.359				27640				3918
3919	88° 58	6	91 50 34.90	+ 13.811	- 0.334				27661	51			3919
3920	83° 59	6	109 22 28.99	+ 13.807	- 0.367	+ 0.042	1927	3	27649		8261	2347	3920
3921	87° 77	3	108 41 25.07	+ 13.807	- 0.366				27650				3921
3922	89° 05	3	105 59 45.46	+ 13.792	- 0.361				27656				3922
3923	84° 11	3	107 40 29.71	+ 13.790	- 0.364								3923
3924	82° 09	3	113 35 37.54	+ 13.748	- 0.377				27668		8265		3924
3925	88° 77	3	89 58 1.41	+ 13.741	- 0.332				27697				3925
3926	87° 11	3	114 53 37.06	+ 13.737	- 0.380	+ 0.040		5	27678		8268		3926
3927	84° 41	3	109 13 57.89	+ 13.737	- 0.368	+ 0.022	1928	6	27683				3927
3928	89° 05	3	100 35 33.14	+ 13.723	- 0.352			9	27699	73			3928
3929	86° 78	3	115 46 51.49	+ 13.716	- 0.383						8271		3929
3930	91° 43	3	99 4 49.06	+ 13.675	- 0.350				27722	87			3930
3931	89° 09	3	103 47 51.34	+ 13.662	- 0.360				27729	91			3931
3932	85° 46	3	108 0 59.59	+ 13.660	- 0.368			14	27724				3932
3933	80° 42	4	90 55 27.05	+ 13.655	- 0.336	+ 0.502			27744	99		2349	3933
3934	88° 94	6	107 21 25.73	+ 13.654	- 0.367	+ 0.009	1930	16	27731				3934
3935	89° 33	3	92 57 13.45	+ 13.628	- 0.340			17	27753	109			3935
3936	84° 43	3	95 5 33.70	+ 13.609	- 0.344				27763	113			3936
3937	83° 01	5	111 59 30.87	+ 13.548	- 0.379			19	27781		8301	2351	3937
3938	91° 77	3	96 19 43.59	+ 13.533	- 0.348					134			3938
3939	87° 45	3	102 37 57.65	+ 13.499	- 0.361				27809	143			3939
3940	92° 07	3	105 10 17.89	+ 13.491	- 0.366					146			3940
3941	92° 12	3	97 52 21.28	+ 13.483	- 0.352	+ 0.210				153			3941
3942	83° 72	11	56 16 27.79	+ 13.479	- 0.266	+ 0.105	1936	29	27859			2355	3942
3943	83° 51	20	98 58 35.26	+ 13.478	- 0.355	+ 0.017	1934	26	27821	154	8313	2354	3943
3944	86° 38	3	119 44 36.89	+ 13.474	- 0.399	+ 0.028	1931	22			8312	2353	3944
3945	92° 43	3	93 46 42.03	+ 13.451	- 0.345					161			3945
3946	85° 44	4	94 47 51.36	+ 13.425	- 0.348				27850	165			3946
3947	88° 77	3	113 50 40.63	+ 13.408	- 0.387				27840				3947
3948	87° 90	4	113 51 46.64	+ 13.373	- 0.388				27861		8325		3948
3949	82° 40	3	90 3 30.44	+ 13.366	- 0.340				27884				3949
3950	87° 90	4	113 52 6.60	+ 13.339	- 0.388				27878		8328		3950
3951	83° 41	3	91 11 28.14	+ 13.336	- 0.343					194			3951
3952	87° 44	3	98 44 38.07	+ 13.325	- 0.357			32	27901	195			3952
3953	92° 43	3	110 28 6.23	+ 13.321	- 0.381				27893				3953
3954	87° 79	3	109 8 59.84	+ 13.316	- 0.379				27896				3954
3955	84° 84	6	107 45 30.29	+ 13.242	- 0.377	+ 0.061	1938	37	27933			2360	3955
3956	84° 42	3	94 43 15.76	+ 13.234	- 0.352				27950	242			3956
3957	85° 40	3	105 9 3.69	+ 13.231	- 0.372	- 0.038	1939	41	27946	220		2362	3957
3958	92° 37	3	109 59 26.07	+ 13.216	- 0.383								3958
3959	84° 45	3	92 0 36.63	+ 13.214	- 0.347	+ 0.190			27957				3959
3960	88° 73	3	96 12 55.86	+ 13.201	- 0.355			43	27961	226			3960

3920, 3943, are respectively 3329, 3344 of the Radcliffe Catalogue, 1845.
 3920, 3926, 3927, 3933, 3942, 3943, are respectively 1459, 1460, 1461, 1463, 1466, 1465 of the Radcliffe Catalogue, 1860.
 3926, 3941, 3959. The Proper Motions have been determined in the formation of the present Catalogue.
 3933. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
3961	Libræ	6	1	82°10	3	15	15	18.875	+ 3.1681	+ 0.0102		3961
3962	Libræ	8	2	92°39	3	15	15	35.860	+ 3.2700	+ 0.0126		3962
3963	Libræ	7	2	88°92	4	15	15	42.818	+ 3.1861	+ 0.0106		3963
3964	Libræ	8	1	92°39	4	15	15	58.162	+ 3.4921	+ 0.0185		3964
3965	Libræ	7-6	...	83°39	3	15	16	4.042	+ 3.6307	+ 0.0228		3965
3966	30 Libræ ϵ^2	7-6	8	87°26	19	15	16	53.577	+ 3.3389	+ 0.0143	- 0.0025	3966
3967	11 Ursæ Minoris	5	...	85°97	4	15	17	11.216	- 0.0883	+ 0.0738	+ 0.0080	3967
3968	Libræ	8-7	2	89°06	3	15	17	19.640	+ 3.3665	+ 0.0150		3968
3969	Libræ	8	1	92°15	3	15	17	23.593	+ 3.3246	+ 0.0138		3969
3970	Libræ	6-7	...	82°44	3	15	17	49.994	+ 3.2880	+ 0.0129		3970
3971	8 Serpentis	6	2	85°27	6	15	18	3.481	+ 3.0837	+ 0.0085	+ 0.0044	3971
3972	31 Libræ ϵ	5*	...	87°47	3	15	18	14.075	+ 3.2506	+ 0.0120	- 0.0078	3972
3973	Libræ	8	3	92°36	3	15	18	20.493	+ 3.2172	+ 0.0112		3973
3974	Libræ	9-8	1	92°42	3	15	18	23.833	+ 3.5072	+ 0.0187		3974
3975	Libræ	8-9	...	92°28	3	15	18	33.331	+ 3.1564	+ 0.0099		3975
3976	Libræ	7-8	1	87°12	3	15	18	34.223	+ 3.4769	+ 0.0178		3976
3977	Libræ	8-7	3	85°36	3	15	19	17.370	+ 3.1714	+ 0.0102		3977
3978	Libræ	7-8	2	86°72	3	15	19	36.473	+ 3.4073	+ 0.0158		3978
3979	Libræ	7	4	89°11	3	15	19	43.327	+ 3.4651	+ 0.0173		3979
3980	Serpentis	7-8	3	89°43	3	15	20	4.822	+ 3.0880	+ 0.0086		3980
3981	51 Boötis μ	4-3*	...	89°91	2	15	20	19.992	+ 2.2782	+ 0.0014	- 0.0143	3981
3982	Libræ	7-6	...	85°45	3	15	20	30.953	+ 3.4382	+ 0.0165		3982
3983	13 Ursæ Minoris γ	3*	...	83°23	3	15	20	54.243	- 0.1325	+ 0.0745	+ 0.0040	3983
3984	Libræ	7-8	1	91°79	3	15	21	33.594	+ 3.3402	+ 0.0140		3984
3985	Libræ	8-9	1	92°41	3	15	21	36.157	+ 3.1202	+ 0.0092		3985
3986	32 Libræ ζ^1	6-5	4	86°69	25	15	22	3.137	+ 3.3748	+ 0.0147	- 0.0010	3986
3987	Libræ	7	2	84°08	3	15	22	12.361	+ 3.2351	+ 0.0114	+ 0.0062	3987
3988	Libræ	8-7	3	86°78	3	15	22	12.640	+ 3.2744	+ 0.0124		3988
3989	Libræ	8-7	2	84°08	3	15	22	14.979	+ 3.2353	+ 0.0115	+ 0.0062	3989
3990	Libræ	8	2	92°10	3	15	22	15.102	+ 3.2109	+ 0.0110		3990
3991	Libræ	7	2	88°75	3	15	22	28.793	+ 3.3556	+ 0.0144		3991
3992	12 Draconis ι	3*	...	89°76	3	15	22	28.920	+ 1.3286	+ 0.0133	- 0.0020	3992
3993	3 Coronæ Borealis β	4-3*	...	87°61	5	15	23	17.607	+ 2.4865	+ 0.0019	- 0.0134	3993
3994	33 Libræ ζ^2	7	2	84°43	3	15	23	21.307	+ 3.3906	+ 0.0151	- 0.0068	3994
3995	Libræ	8-7	2	92°10	3	15	23	56.096	+ 3.3008	+ 0.0129		3995
3996	Libræ	8-7	1	92°12	3	15	24	13.370	+ 3.1904	+ 0.0104		3996
3997	Libræ	6-7	1	82°03	5	15	24	14.755	+ 3.4582	+ 0.0167		3997
3998	34 Libræ ζ^3	6-7	2	84°49	3	15	24	27.951	+ 3.3755	+ 0.0146	- 0.0006	3998
3999	Libræ	7-8	3	85°45	3	15	24	39.134	+ 3.5205	+ 0.0184		3999
4000	Libræ	7-8	2	87°01	3	15	24	45.794	+ 3.4202	+ 0.0158		4000
4001	Libræ	8-9	3	92°13	3	15	25	20.632	+ 3.1453	+ 0.0095		4001
4002	Libræ	7	1	84°46	3	15	25	23.590	+ 3.4481	+ 0.0164		4002
4003	Libræ	7-8	1	89°06	3	15	25	45.782	+ 3.4862	+ 0.0174		4003
4004	Serpentis	8	3	92°35	3	15	26	7.664	+ 3.1116	+ 0.0089		4004
4005	Libræ	6	3	82°37	3	15	26	17.493	+ 3.4392	+ 0.0161		4005

3961. The N.P.D. of this star in Weisse's Bessel is 6' too small.

3962. A star of the 8 magnitude, Lalande 27970, follows, and is south.

3973. Reddish star.

3986. Deep red star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
3961	82°10	3	95 25 37.72	+13.201	-0.354					227		2363	3961
3962	92°39	3	101 5 27.94	+13.182	-0.365				27968	230			3962
3963	88°92	4	96 25 44.45	+13.175	-0.356			45	27978	238			3963
3964	92°12	3	112 34 53.23	+13.158	-0.390				27972				3964
3965	80°38	3	118 56 46.50	+13.152	-0.405						8360		3965
3966	85°11	6	104 44 26.92	+13.097	-0.374	-0.013	1941	50	28000	256	8367	2366	3966
3967	83°33	4	17 46 37.19	+13.078	+0.004	-0.003	1954	78				2372	3967
3968	89°06	3	106 10 14.10	+13.068	-0.378				28012				3968
3969	92°15	3	103 57 23.01	+13.063	-0.373				28018	265			3969
3970	82°44	3	101 58 34.60	+13.034	-0.370			54	28036			2373	3970
3971	85°19	4	90 37 45.45	+13.020	-0.348	+0.020	1945	58	28049	286			3971
3972	87°47	4	99 55 33.78	+13.008	-0.366	+0.153	1944	57	28047	287			3972
3973	92°36	3	98 5 33.18	+13.000	-0.363					289			3973
3974	92°42	3	113 7 4.65	+12.997	-0.395								3974
3975	92°28	3	94 42 28.68	+12.987	-0.356					294			3975
3976	87°12	3	111 39 11.16	+12.986	-0.392				28046				3976
3977	85°36	3	95 31 45.78	+12.938	-0.359				28088	317			3977
3978	86°72	3	108 7 40.05	+12.917	-0.386				28087				3978
3979	89°11	3	110 59 34.96	+12.909	-0.392			65	28090				3979
3980	89°43	3	90 51 57.45	+12.884	-0.351				28118	334			3980
3981	85°20	4	52 14 12.26	+12.867	-0.260	-0.084	1950	73	28158		8402	2378	3981
3982	85°45	3	109 37 7.31	+12.855	-0.390				28117				3982
3983	82°88	19	17 46 28.58	+12.830	+0.009	-0.019	1962	95				2382	3983
3984	91°79	3	104 34 12.29	+12.785	-0.381								3984
3985	92°41	3	92 39 10.81	+12.782	-0.356					359			3985
3986	84°73	10	106 19 56.31	+12.752	-0.385	+0.046	1949	75	28160		8414	2383	3986
3987	84°08	3	98 57 13.55	+12.742	-0.370	+0.329			28165	365			3987
3988	86°78	3	101 3 56.46	+12.742	-0.374			77	28163	364			3988
3989	84°08	3	98 57 49.58	+12.738	-0.370	+0.329			28167	366			3989
3990	92°43	4	97 38 6.50	+12.738	-0.367								3990
3991	88°75	3	105 19 10.89	+12.723	-0.384				28168				3991
3992	84°91	6	30 38 53.77	+12.723	-0.155	-0.022	1957	92				2385	3992
3993	90°09	3	60 30 52.94	+12.667	-0.287	-0.074	1955	86	28232			2389	3993
3994	84°43	3	107 3 38.60	+12.664	-0.389	-0.010	1951	80	28193			2388	3994
3995	92°10	3	102 23 51.12	+12.624	-0.379				28 09	402			3995
3996	92°12	3	96 27 58.56	+12.605	-0.367				28227	411			3996
3997	82°03	5	110 20 56.70	+12.603	-0.398				28212				3997
3998	84°49	3	106 13 52.44	+12.588	-0.389	+0.010	1953	84	28224			2390	3998
3999	85°45	3	113 16 39.38	+12.576	-0.405				28222				3999
4000	87°01	3	108 27 29.49	+12.567	-0.394			87	28233				4000
4001	92°13	3	93 59 10.73	+12.528	-0.364				28255	430			4001
4002	84°46	3	109 47 17.04	+12.524	-0.398			91					4002
4003	89°06	3	111 35 28.44	+12.499	-0.403				28251				4003
4004	92°35	3	92 8 22.07	+12.474	-0.361				28279				4004
4005	82°37	3	109 17 42.27	+12.464	-0.398			96	28268			2395	4005

3967, 3981, 3983, 3986, 3992, are respectively 3373, 3377, 3386, 3379, 3389 of the Radcliffe Catalogue, 1845.
 3966, 3967, 3972, 3981, 3983, 3986, 3992, 4002, are respectively 1474, 1477, 1476, 1479, 1482, 1481, 1433, 1484 of the Radcliffe Catalogue, 1860.
 3987, 3989. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.				Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
									h.	m.	s.				
4006	Libræ	...	...	...	7-6	2	86.77	3	15	26	18.708	+ 3.2584	+ 0.0118		4006
4007	Libræ	...	...	...	7-8	5	87.10	3	15	26	38.276	+ 3.5419	+ 0.0189		4007
4008	Libræ	...	...	...	7-8	4	87.11	3	15	26	38.889	+ 3.5419	+ 0.0189		4008
4009	35 Libræ	...	...	ζ ⁴	6-5	1	82.80	3	15	26	42.234	+ 3.3828	+ 0.0146	- 0.0028	4009
4010	Libræ	...	...	...	8-7	2	83.93	4	15	26	46.345	+ 3.3907	+ 0.0148		4010
4011	Libræ	...	...	...	7-8	1	89.41	3	15	27	10.582	+ 3.3081	+ 0.0129		4011
4012	11 Serpentis	...	...	...	6	2	85.48	4	15	27	17.967	+ 3.0874	+ 0.0085	- 0.0007	4012
4013	Libræ	...	...	...	8-7	1	85.41	3	15	27	43.953	+ 3.3867	+ 0.0147	- 0.0050	4013
4014	Libræ	...	...	...	7-8	3	91.77	3	15	27	55.888	+ 3.3323	+ 0.0134		4014
4015	36 Libræ	...	...	...	6-5	1	85.71	3	15	27	57.078	+ 3.6249	+ 0.0210	- 0.0021	4015
4016	37 Libræ	...	...	...	5-6	3	83.41	3	15	28	9.895	+ 3.2524	+ 0.0116	+ 0.0178	4016
4017	Libræ	...	...	...	6	3	84.42	3	15	28	29.999	+ 3.2361	+ 0.0113		4017
4018	Libræ	...	...	...	7-6	3	86.39	6	15	28	32.125	+ 3.1709	+ 0.0100		4018
4019	Libræ	...	...	...	7-8	3	86.43	3	15	28	45.706	+ 3.3908	+ 0.0147		4019
4020	Libræ	...	...	...	7-8	1	91.64	3	15	29	14.887	+ 3.3000	+ 0.0126		4020
4021	38 Libræ	...	...	γ	4-5	2	83.15	5	15	29	22.253	+ 3.3447	+ 0.0136	+ 0.0037	4021
4022	5 Coronæ Borealis	...	...	α	2*	...	85.07	32	15	30	1.843	+ 2.5300	+ 0.0023	+ 0.0085	4022
4023	Libræ	...	...	...	8-7	2	92.11	3	15	30	10.417	+ 3.2078	+ 0.0106		4023
4024	39 Libræ	...	...	...	4-3	1	86.71	3	15	30	20.661	+ 3.6316	+ 0.0209	- 0.0035	4024
4025	Libræ	...	...	...	8-7	2	85.40	3	15	30	22.572	+ 3.3900	+ 0.0145		4025
4026	Libræ	...	...	...	8-7	1	92.09	3	15	30	43.913	+ 3.3604	+ 0.0139		4026
4027	14 Serpentis	...	...	A ¹	7-6	2	84.71	4	15	30	55.031	+ 3.0761	+ 0.0083	- 0.0030	4027
4028	Libræ	...	...	...	7-8	2	89.46	3	15	31	2.642	+ 3.1780	+ 0.0100		4028
4029	Libræ	...	...	...	7	1	82.45	3	15	31	5.526	+ 3.4973	+ 0.0172		4029
4030	Libræ	...	...	...	6-7	1	84.45	3	15	31	19.840	+ 3.5198	+ 0.0178		4030
4031	Libræ	...	...	...	7-8	4	85.44	3	15	31	51.842	+ 3.3419	+ 0.0133		4031
4032	Libræ	...	...	...	7-6	1	83.77	3	15	31	52.482	+ 3.4747	+ 0.0165		4032
4033	Serpentis	...	...	...	8	5	91.80	3	15	32	0.673	+ 3.1330	+ 0.0092		4033
4034	Libræ	...	...	...	7	2	89.14	3	15	32	6.178	+ 3.4517	+ 0.0159	- 0.0180	4034
4035	Libræ	...	...	...	7	4	85.44	3	15	32	21.032	+ 3.3420	+ 0.0133		4035
4036	Libræ	...	...	...	7-8	...	90.08	3	15	32	26.146	+ 3.4056	+ 0.0147		4036
4037	41 Libræ	...	...	...	6	1	87.48	3	15	32	34.536	+ 3.4395	+ 0.0156	+ 0.0057	4037
4038	Libræ	...	...	...	7-8	2	86.81	3	15	32	43.678	+ 3.2312	+ 0.0110		4038
4039	Libræ	...	...	...	7	2	86.81	3	15	32	43.821	+ 3.2311	+ 0.0110		4039
4040	Libræ	...	...	...	7	2	89.44	3	15	32	52.996	+ 3.5224	+ 0.0176		4040
4041	Serpentis	...	...	...	8	2	92.12	3	15	33	0.302	+ 3.0992	+ 0.0086		4041
4042	Libræ	...	...	...	7-6	3	82.45	4	15	33	33.604	+ 3.4506	+ 0.0158		4042
4043	42 Libræ	...	...	...	6-5	1	84.45	3	15	33	46.556	+ 3.5386	+ 0.0180	- 0.0031	4043
4044	15 Ursæ Minoris	...	...	θ	6-5*	...	90.09	3	15	34	40.967	- 1.8733	+ 0.1907	- 0.0400	4044
4045	Libræ	...	...	...	7	3	85.49	3	15	35	8.411	+ 3.3337	+ 0.0130		4045
4046	Libræ	...	...	...	7-8	1	87.45	3	15	35	26.279	+ 3.5519	+ 0.0181		4046
4047	43 Libræ	...	...	κ	5	1	82.44	3	15	35	36.514	+ 3.4512	+ 0.0155	- 0.0046	4047
4048	4 Lupi	...	...	ψ ²	5-6	...	83.39	3	15	35	40.261	+ 3.8111	+ 0.0256	- 0.0064	4048
4049	Serpentis	...	...	...	8	1	91.91	3	15	35	41.664	+ 3.1155	+ 0.0088		4049
4050	Libræ	...	...	...	8-9	1	92.43	3	15	35	44.262	+ 3.4992	+ 0.0168		4050

4033. The magnitude assigned to this star in Schönfeld's Zones is 7.1.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4006	86.77	3	100 3 45.59	+ 12.462	- 0.378				28278	441			4006
4007	87.11	3	114 6 53.81	+ 12.440	- 0.410				28274		8453		4007
4008	87.10	3	114 6 59.32	+ 12.439	- 0.411						8454		4008
4009	82.80	3	106 28 45.46	+ 12.435	- 0.392	+ 0.016	1956	97	28285			2397	4009
4010	83.93	4	106 52 25.22	+ 12.431	- 0.393								4010
4011	89.41	3	102 38 25.92	+ 12.402	- 0.384				28297	458			4011
4012	85.50	3	90 48 44.54	+ 12.394	- 0.359	+ 0.046	1959	104	28307				4012
4013	85.41	3	106 37 15.47	+ 12.364	- 0.394	+ 0.310			28306				4013
4014	91.77	3	103 51 29.58	+ 12.350	- 0.388				28320				4014
4015	84.39	4	117 40 30.98	+ 12.349	- 0.422	+ 0.038	1958	102			8467	2400	4015
4016	83.42	2	99 41 12.34	+ 12.334	- 0.379	+ 0.235	1960	106	28334				4016
4017	84.42	3	98 48 45.50	+ 12.311	- 0.378				28344	480		2403	4017
4018	86.39	6	95 19 30.72	+ 12.309	- 0.370				28350	486			4018
4019	87.42	4	106 46 9.06	+ 12.293	- 0.396				28345				4019
4020	91.64	3	102 8 16.70	+ 12.260	- 0.386					499			4020
4021	83.15	5	104 25 18.75	+ 12.252	- 0.392	- 0.019	1964	111	28360	500		2405	4021
4022	82.79	21	62 54 51.89	+ 12.205	- 0.298	+ 0.094	1973	121	28417		8483	2410	4022
4023	92.11	3	97 15 56.00	+ 12.196	- 0.377					518			4023
4024	86.71	3	117 46 10.85	+ 12.183	- 0.426	- 0.002	1966	116			8484		4024
4025	85.40	3	106 38 52.08	+ 12.181	- 0.398				28389				4025
4026	92.09	3	105 8 55.03	+ 12.157	- 0.395				28404	529			4026
4027	84.47	3	90 11 44.76	+ 12.144	- 0.362	+ 0.014	1971	122					4027
4028	89.46	3	95 39 42.55	+ 12.134	- 0.374				28434	538			4028
4029	82.45	3	111 45 11.26	+ 12.131	- 0.411								4029
4030	84.45	3	112 46 33.34	+ 12.115	- 0.414				28414				4030
4031	85.44	3	104 10 2.13	+ 12.078	- 0.394				28442	557		2416	4031
4032	83.77	3	110 39 7.27	+ 12.078	- 0.410								4032
4033	91.80	3	93 14 27.59	+ 12.067	- 0.370				28452	561			4033
4034	89.14	3	109 32 54.28	+ 12.061	- 0.407	+ 0.150			28445				4034
4035	85.44	3	104 9 10.24	+ 12.044	- 0.395				28456	564			4035
4036	90.08	3	107 18 10.69	+ 12.038	- 0.402				28453				4036
4037	87.48	3	108 56 19.37	+ 12.028	- 0.407	+ 0.078	1975	133				2417	4037
4038	86.81	3	98 25 58.74	+ 12.017	- 0.382				28473	576		2419	4038
4039	86.81	3	98 25 47.18	+ 12.017	- 0.382				28472	577		2420	4039
4040	89.44	3	112 47 22.16	+ 12.006	- 0.417				28466				4040
4041	92.12	3	91 25 30.83	+ 11.998	- 0.367				28493	585			4041
4042	82.45	4	109 24 36.06	+ 11.959	- 0.409				28495				4042
4043	84.45	3	113 27 34.82	+ 11.943	- 0.420	+ 0.012	1978	138	28498		8516	2424	4043
4044	86.41	3	12 17 4.73	+ 11.880	+ 0.215	- 0.014	2008	172				2430	4044
4045	85.49	3	103 36 52.58	+ 11.848	- 0.397				28552	631			4045
4046	87.45	3	113 56 41.76	+ 11.827	- 0.423				28551				4046
4047	82.44	3	109 19 16.96	+ 11.814	- 0.412	+ 0.097	1981	145	28562		8532		4047
4048	82.65	4	124 21 27.08	+ 11.811	- 0.454	+ 0.021	1980	143			8533		4048
4049	91.91	3	92 16 48.02	+ 11.808	- 0.372				28578	646			4049
4050	92.43	3	111 32 41.70	+ 11.806	- 0.418								4050

4016, 4021, 4022, 4044, 4047, are respectively 3401, 3405, 3408, 3437, 3422 of the Radcliffe Catalogue, 1845.
 4016, 4021, 4022, 4037, 4042, 4043, 4044, 4047, are respectively 1488, 1490, 1494, 1497, 1499, 1500, 1510, 1504 of the Radcliffe Catalogue, 1860.
 4013, 4034. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
4051	Librae	7	2	88.73	3	15 35 54.114	+ 3.1879	+ 0.0100		4051
4052	Librae	9-8	3	91.80	3	15 35 58.142	+ 3.2785	+ 0.0118		4052
4053	Librae	9-8	1	92.45	3	15 36 19.951	+ 3.4296	+ 0.0149		4053
4054	Librae	8-7	2	92.44	3	15 36 20.512	+ 3.2162	+ 0.0105		4054
4055	Librae	7-8	3	86.41	3	15 36 35.018	+ 3.3763	+ 0.0138		4055
4056	Librae	8-9	...	92.41	3	15 36 43.441	+ 3.1633	+ 0.0095		4056
4057	Librae	7-6	2	84.42	3	15 37 2.415	+ 3.3171	+ 0.0125		4057
4058	Librae	7	2	86.80	3	15 37 10.492	+ 3.2751	+ 0.0117	- 0.0780	4058
4059	Librae	6-7	5	87.02	6	15 37 14.740	+ 3.3571	+ 0.0134	- 0.0010	4059
4060	Librae	7-8	2	85.41	3	15 37 42.817	+ 3.3950	+ 0.0141		4060
4061	Librae	8-7	2	92.11	3	15 37 47.594	+ 3.2441	+ 0.0110		4061
4062	44 Librae η	6	4	83.39	5	15 37 53.020	+ 3.3706	+ 0.0136	- 0.0045	4062
4063	8 Coronae Borealis γ	4-5	2	87.58	5	15 38 7.424	+ 2.5263	+ 0.0026	- 0.0082	4063
4064	24 Serpentis α	3-2	1	85.04	33	15 38 51.006	+ 2.9429	+ 0.0061	+ 0.0079	4064
4065	Librae	7-8	1	87.49	3	15 39 4.113	+ 3.4434	+ 0.0151		4065
4066	Librae	7-6	2	89.12	3	15 39 14.441	+ 3.5230	+ 0.0170		4066
4067	Librae	7	2	83.75	3	15 39 37.039	+ 3.1836	+ 0.0098		4067
4068	Librae	8-9	1	92.14	3	15 40 11.029	+ 3.3829	+ 0.0136		4068
4069	25 Serpentis A^2	6	2	84.43	3	15 40 24.232	+ 3.1004	+ 0.0084	- 0.0040	4069
4070	Librae	7-6	3	83.41	3	15 40 54.747	+ 3.1836	+ 0.0097		4070
4071	Librae	8	1	92.05	3	15 40 57.777	+ 3.4750	+ 0.0157	- 0.0090	4071
4072	28 Serpentis β	3-4*	...	87.23	5	15 41 6.646	+ 2.7623	+ 0.0043	+ 0.0034	4072
4073	Librae	7	2	89.43	3	15 41 40.524	+ 3.2496	+ 0.0109		4073
4074	Serpentis	7	3	85.44	5	15 41 40.669	+ 3.0711	+ 0.0080		4074
4075	Librae	7-6	4	86.56	7	15 41 55.266	+ 3.5513	+ 0.0174		4075
4076	Librae	7	3	85.48	3	15 42 17.974	+ 3.3303	+ 0.0125		4076
4077	Serpentis	8-7	1	91.67	3	15 42 24.503	+ 3.1583	+ 0.0092	- 0.0120	4077
4078	30 Serpentis	6-7	2	81.43	3	15 43 11.163	+ 3.1397	+ 0.0090	+ 0.0042	4078
4079	Librae	7-8	1	89.40	3	15 43 30.435	+ 3.5007	+ 0.0160		4079
4080	Librae	7-6	1	85.36	3	15 43 34.627	+ 3.4229	+ 0.0142		4080
4081	35 Serpentis κ	4*	...	89.46	3	15 43 47.344	+ 2.7023	+ 0.0038	- 0.0039	4081
4082	32 Serpentis μ	4-3	3	86.48	3	15 43 52.836	+ 3.1324	+ 0.0088	- 0.0077	4082
4083	5 Lupi χ	5*	...	85.98	2	15 43 57.916	+ 3.8002	+ 0.0238	- 0.0020	4083
4084	Librae	8-7	2	89.10	3	15 44 9.166	+ 3.5414	+ 0.0169		4084
4085	1 Scorpii δ	5*	...	87.10	3	15 44 21.706	+ 3.5997	+ 0.0184	- 0.0058	4085
4086	Librae	8	2	92.43	3	15 44 56.471	+ 3.2816	+ 0.0113		4086
4087	Librae	8-9	...	92.14	3	15 45 5.918	+ 3.1893	+ 0.0097		4087
4088	Librae	7-8	4	85.50	3	15 45 18.127	+ 3.4470	+ 0.0147		4088
4089	37 Serpentis ϵ	4-3	3	85.48	40	15 45 19.961	+ 2.9789	+ 0.0065	+ 0.0068	4089
4090	Librae	7-6	2	88.73	4	15 45 29.684	+ 3.3459	+ 0.0126		4090
4091	36 Serpentis ζ	5-6	3	87.45	3	15 45 31.812	+ 3.1261	+ 0.0087	- 0.0078	4091
4092	Librae	7-8	1	91.18	4	15 45 51.864	+ 3.3136	+ 0.0119		4092
4093	Librae	8-7	2	92.43	3	15 45 54.574	+ 3.2234	+ 0.0102		4093
4094	Serpentis	8	1	92.40	3	15 46 55.172	+ 3.0862	+ 0.0081		4094
4095	45 Librae λ	5-6	3	81.47	3	15 46 56.858	+ 3.4758	+ 0.0151	- 0.0026	4095

4052. Wide double, Σ 1966: the companion, of the 9 magnitude, follows, and is north.

4055. Very close double: the companion follows, and is of the 9 magnitude. A star of the 10-11 magnitude follows this double by 5", and is about 1' north.

4056. The R.A. of this star in Weisse's Bessel is about 15s too great.

4057. The N.P.D. of this star in Weisse's Bessel is 10' too great.

4064. Reddish-yellow star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4051	88.73	3	96 5 25.54	+ 11.794	- 0.381				28582	652			4051
4052	91.80	3	100 47 11.82	+ 11.789	- 0.392				28590	650			4052
4053	92.45	3	108 15 15.74	+ 11.763	- 0.410								4053
4054	92.44	3	97 33 40.32	+ 11.762	- 0.385					656			4054
4055	86.41	3	105 39 36.40	+ 11.745	- 0.394			150	28591				4055
4056	92.41	3	94 47 20.48	+ 11.736	- 0.379					667			4056
4057	84.42	3	102 42 7.23	+ 11.714	- 0.398				28603	666			4057
4058	86.80	3	100 34 23.07	+ 11.703	- 0.393	+ 0.300			28607				4058
4059	87.02	6	104 41 22.66	+ 11.698	- 0.403	+ 0.083	1987		28650	670			4059
4060	85.41	3	106 31 11.06	+ 11.665	- 0.408				28617				4060
4061	92.11	3	98 57 54.48	+ 11.659	- 0.390				28638	687			4061
4062	83.39	5	105 19 17.67	+ 11.653	- 0.405	+ 0.063	1985	157	28629			2435	4062
4063	90.04	3	63 21 19.33	+ 11.636	- 0.305	- 0.034	1991	162	28684			2437	4063
4064	81.07	16	83 13 39.07	+ 11.584	- 0.355	- 0.056	1990	163	28690	712	8557	2438	4064
4065	87.49	3	108 45 36.87	+ 11.569	- 0.415				28668				4065
4066	89.12	3	112 24 23.12	+ 11.557	- 0.425				28672				4066
4067	83.75	3	95 47 58.22	+ 11.530	- 0.385				28703	721			4067
4068	92.14	3	105 48 59.30	+ 11.489	- 0.409								4068
4069	84.43	3	91 27 31.94	+ 11.473	- 0.376	+ 0.026	1992	166	28722				4069
4070	83.41	3	95 46 38.07	+ 11.436	- 0.386				28734	747			4070
4071	92.05	3	110 7 25.98	+ 11.432	- 0.421	+ 0.140			28724				4071
4072	85.44	4	74 13 59.86	+ 11.422	- 0.336	+ 0.035	1996	170	28750			2443	4072
4073	89.43	3	99 8 23.74	+ 11.381	- 0.395				28746	765			4073
4074	85.44	3	89 55 40.26	+ 11.381	- 0.374				28754				4074
4075	86.56	7	113 29 36.76	+ 11.364	- 0.432				28744		8586		4075
4076	85.48	3	103 9 34.77	+ 11.337	- 0.406				28759	774			4076
4077	91.67	3	94 26 42.61	+ 11.328	- 0.385	0.000			28767	779			4077
4078	81.43	3	93 28 50.16	+ 11.272	- 0.384	- 0.021	1999	175	28783				4078
4079	89.40	3	111 9 13.13	+ 11.250	- 0.427				28775				4079
4080	85.36	3	107 33 53.77	+ 11.244	- 0.418				28780				4080
4081	83.07	6	71 31 5.16	+ 11.229	- 0.331	+ 0.083	2002	182	28823			2445	4081
4082	86.48	3	93 5 34.92	+ 11.222	- 0.383	+ 0.013	2001	178	28808	806	8604	2446	4082
4083	80.43	4	123 17 28.20	+ 11.216	- 0.464	- 0.005	1998	174			8602		4083
4084	89.10	3	112 55 19.43	+ 11.203	- 0.433				28793				4084
4085	87.10	3	115 24 58.57	+ 11.187	- 0.441	+ 0.038	2000	177	28804		8608	2449	4085
4086	92.43	3	100 39 24.96	+ 11.146	- 0.403				28835	828			4086
4087	92.14	3	95 59 41.17	+ 11.134	- 0.392					834			4087
4088	85.50	3	108 36 19.86	+ 11.119	- 0.423				28838				4088
4089	81.97	8	85 11 25.55	+ 11.117	- 0.366	- 0.059	2005	187	28854	842	8617	2453	4089
4090	88.73	4	103 48 3.21	+ 11.105	- 0.411				28847	839			4090
4091	87.45	3	92 45 24.24	+ 11.102	- 0.384	+ 0.021	2004	186	28859	844			4091
4092	91.18	4	102 12 21.62	+ 11.078	- 0.408				28860	846			4092
4093	92.43	3	97 42 41.54	+ 11.074	- 0.397					848			4093
4094	92.40	3	90 42 3.66	+ 11.001	- 0.381				28898	866			4094
4095	81.47	3	109 50 14.64	+ 10.998	- 0.429	+ 0.013	2007	190	28880			2457	4095

4062, 4064, 4085, are respectively 3434, 3438, 3450 of the Radcliffe Catalogue, 1845.
 4055, 4059, 4062, 4064, 4085, 4089, are respectively 1508, 1509, 1511, 1514, 1517, 1519 of the Radcliffe Catalogue, 1860.
 4058, 4071, 4077. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
4096	2 Scorpii A	5*	...	82.41	2	15	47	0.381	+ 3.5938	+ 0.0179	- 0.0035	4096
4097	Libræ	8	3	91.80	3	15	47	7.358	+ 3.3594	+ 0.0127	0.0000	4097
4098	Scorpii	6	2	90.46	3	15	47	19.506	+ 3.5755	+ 0.0174	- 0.0049	4098
4099	Scorpii	6-5	...	84.45	3	15	47	22.997	+ 3.5626	+ 0.0171		4099
4100	46 Libræ θ	5	1	84.74	6	15	47	33.585	+ 3.4022	+ 0.0135	+ 0.0067	4100
4101	Libræ	7-8	5	85.49	4	15	47	35.992	+ 3.4499	+ 0.0145		4101
4102	Serpentis	7	3	87.49	3	15	47	38.970	+ 3.1253	+ 0.0087		4102
4103	Serpentis	8	...	91.67	3	15	47	52.965	+ 3.1540	+ 0.0090		4103
4104	16 Ursæ Minoris ... ζ	4-5*	...	91.04	5	15	47	59.534	- 2.2627	+ 0.2016	+ 0.0030	4104
4105	3 Scorpii	7-6	2	84.46	3	15	48	3.065	+ 3.5934	+ 0.0177	- 0.0047	4105
4106	Libræ	7	3	86.41	3	15	48	11.356	+ 3.2857	+ 0.0112		4106
4107	Scorpii	7	5	89.43	3	15	48	11.670	+ 3.5358	+ 0.0163		4107
4108	47 Libræ	7-6	1	84.41	3	15	48	38.842	+ 3.4605	+ 0.0146	- 0.0040	4108
4109	4 Scorpii	6	...	87.14	3	15	48	51.088	+ 3.6192	+ 0.0182	- 0.0060	4109
4110	Scorpii	6-7	...	85.47	2	15	49	18.329	+ 3.7611	+ 0.0218		4110
4111	Libræ	8	2	92.04	3	15	49	31.397	+ 3.4320	+ 0.0139		4111
4112	Draconis	6*	...	89.46	3	15	49	42.907	+ 1.3927	+ 0.0107		4112
4113	Libræ	7	3	85.46	3	15	49	45.510	+ 3.2373	+ 0.0103		4113
4114	Libræ	7-6	2	84.49	3	15	50	4.223	+ 3.3552	+ 0.0125		4114
4115	Serpentis	7	...	88.10	3	15	50	12.754	+ 3.1087	+ 0.0083		4115
4116	Libræ	8-9	3	92.11	3	15	50	13.362	+ 3.2593	+ 0.0106		4116
4117	Libræ	7-6	4	81.46	4	15	50	21.889	+ 3.3645	+ 0.0126		4117
4118	Scorpii	7-8	3	86.81	3	15	50	45.776	+ 3.5100	+ 0.0155		4118
4119	Libræ	7-6	3	85.35	3	15	50	51.364	+ 3.3904	+ 0.0130		4119
4120	Scorpii	7-6	1	83.09	3	15	51	14.617	+ 3.4992	+ 0.0152		4120
4121	Libræ	7	2	89.07	3	15	51	16.959	+ 3.1910	+ 0.0094		4121
4122	Libræ	8	1	92.43	3	15	51	19.788	+ 3.1731	+ 0.0092		4122
4123	41 Serpentis γ	4-3*	...	87.92	13	15	51	22.347	+ 2.7475	+ 0.0042	+ 0.0194	4123
4124	Scorpii	6-7	3	87.44	3	15	51	59.102	+ 3.5895	+ 0.0172		4124
4125	48 Libræ	5-6	3	85.19	4	15	52	1.676	+ 3.3544	+ 0.0123	- 0.0028	4125
4126	6 Scorpii π	3*	...	80.43	4	15	52	11.730	+ 3.6208	+ 0.0178	- 0.0034	4126
4127	Libræ	7	2	86.78	3	15	52	18.982	+ 3.3371	+ 0.0120		4127
4128	13 Coronæ Borealis ε	4*	...	84.30	4	15	53	1.991	+ 2.4884	+ 0.0030	- 0.0074	4128
4129	Libræ	8-9	3	92.13	3	15	53	10.724	+ 3.2860	+ 0.0110		4129
4130	Libræ	7	2	85.50	3	15	53	47.373	+ 3.2121	+ 0.0097		4130
4131	7 Scorpii δ	2-3*	...	82.49	3	15	53	49.625	+ 3.5400	+ 0.0159	- 0.0018	4131
4132	Libræ	7-8	2	88.41	3	15	53	55.511	+ 3.1885	+ 0.0094		4132
4133	49 Libræ	6	1	85.11	7	15	54	9.070	+ 3.4040	+ 0.0130	- 0.0474	4133
4134	Scorpii	7-8	1	88.75	3	15	54	39.236	+ 3.5073	+ 0.0151		4134
4135	50 Libræ	6	2	84.44	3	15	54	51.179	+ 3.2351	+ 0.0100	- 0.0025	4135
4136	Libræ	8	1	91.79	3	15	54	52.247	+ 3.3598	+ 0.0122		4136
4137	Libræ	8-9	1	91.89	3	15	54	53.224	+ 3.3159	+ 0.0114		4137
4138	Scorpii	7-8	3	86.41	3	15	55	26.561	+ 3.5271	+ 0.0154		4138
4139	Scorpii	6-7	...	80.44	4	15	55	50.553	+ 3.7029	+ 0.0193		4139
4140	Serpentis	7	2	85.66	5	15	55	55.647	+ 3.1417	+ 0.0085		4140

4115. Double: the companion, of the 8-9 magnitude, precedes, and is north.
 4119. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
4096	82°43	3	114 59 53.02	+ 10.995	- 0.443	+ 0.014	2006	189	28878		8628	2458	4096
4097	91°80	3	104 23 8.47	+ 10.986	- 0.415	+ 0.080			28892	864			4097
4098	90°46	3	114 12 17.78	+ 10.972	- 0.441	+ 0.030	2009	191			8630	2460	4098
4099	84°45	3	113 38 58.18	+ 10.967	- 0.440			192	28891		8632	2461	4099
4100	84°74	6	106 24 20.99	+ 10.955	- 0.420	- 0.131	2011	193	28903			2462	4100
4101	85°49	4	108 37 23.65	+ 10.951	- 0.426				28901				4101
4102	87°49	3	92 42 1.04	+ 10.948	- 0.387				28913				4102
4103	91°67	3	94 9 29.77	+ 10.930	- 0.390				28916	881			4103
4104	85°68	4	11 52 2.35	+ 10.922	+ 0.272	+ 0.004	2041	238				2465	4104
4105	84°46	3	114 55 0.44	+ 10.918	- 0.444	+ 0.040	2012	195	28908		8640	2463	4105
4106	86°41	3	100 45 47.64	+ 10.908	- 0.407				28945				4106
4107	89°43	3	112 26 22.98	+ 10.907	- 0.437				28912				4107
4108	84°41	3	109 3 26.87	+ 10.874	- 0.429	+ 0.014	2015	197	28923			2464	4108
4109	87°14	3	115 56 28.45	+ 10.859	- 0.448	+ 0.040	2014	196			8647		4109
4110	83°79	3	121 27 46.23	+ 10.826	- 0.466			199			8653		4110
4111	92°04	3	107 42 26.73	+ 10.810	- 0.426								4111
4112	84°95	4	33 50 53.01	+ 10.795	- 0.176							2471	4112
4113	85°46	3	98 19 20.79	+ 10.792	- 0.403				28965	905			4113
4114	84°49	3	104 4 29.91	+ 10.770	- 0.417				28969	910			4114
4115	88°10	3	91 50 25.22	+ 10.759	- 0.387				28987	917			4115
4116	92°11	3	99 24 3.09	+ 10.758	- 0.406					915			4116
4117	81°46	4	104 30 24.97	+ 10.747	- 0.419				28980	916			4117
4118	86°81	3	111 9 54.09	+ 10.718	- 0.437			210	28986				4118
4119	85°35	3	105 42 47.15	+ 10.712	- 0.423				28997				4119
4120	83°09	3	110 39 48.67	+ 10.682	- 0.437				29001			2474	4120
4121	89°07	3	95 58 36.91	+ 10.679	- 0.399					935			4121
4122	92°43	3	95 4 42.90	+ 10.676	- 0.396				29015				4122
4123	88°17	3	73 58 43.62	+ 10.673	- 0.344	+ 1.286	2023	219			8672	2475	4123
4124	87°44	3	114 30 49.18	+ 10.628	- 0.449				29017		8675	2476	4124
4125	85°19	4	103 57 40.47	+ 10.624	- 0.420	+ 0.014	2022	218	29029	947		2478	4125
4126	80°43	5	115 47 47.93	+ 10.612	- 0.453	+ 0.033	2020	216			8676	2480	4126
4127	86°78	3	103 7 28.65	+ 10.603	- 0.418				29037	952			4127
4128	83°51	16	62 48 11.11	+ 10.550	- 0.313	+ 0.062	2029	229	29091			2482	4128
4129	92°13	3	100 37 44.26	+ 10.539	- 0.412					968			4129
4130	85°50	3	96 59 16.48	+ 10.494	- 0.404				227	29082	980		4130
4131	82°49	3	112 18 28.39	+ 10.490	- 0.445	+ 0.028	2024	225	29072		8696	2483	4131
4132	88°41	3	95 48 47.49	+ 10.483	- 0.401								4132
4133	85°11	7	106 12 31.13	+ 10.466	- 0.428	+ 0.368	2026	228	29085			2485	4133
4134	88°75	3	110 50 37.86	+ 10.429	- 0.441				29094				4134
4135	84°44	3	98 5 57.71	+ 10.414	- 0.408	+ 0.012	2030	231	29110	1000			4135
4136	91°79	3	104 6 43.40	+ 10.413	- 0.423				29105	998			4136
4137	91°89	3	102 1 31.05	+ 10.412	- 0.418				29108				4137
4138	86°41	3	111 40 12.08	+ 10.371	- 0.445				29113				4138
4139	80°44	4	118 49 39.31	+ 10.339	- 0.467						8712		4139
4140	85°66	5	93 27 18.51	+ 10.333	- 0.397				29148	1021			4140

4100, 4104, 4112, 4126, 4131, are respectively 3461, 3471, 3468, 3470, 3474 of the Radcliffe Catalogue, 1845.
 4096, 4100, 4104, 4105, 4109, 4123, 4126, 4131, 4133, are respectively 1521, 1522, 1529, 1524, 1526, 1532, 1535, 1536, 1537 of the Radcliffe Catalogue, 1860.
 4097. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
4141	Serpentis	7-8	3	89°44	4	15	56	27.237	+ 3.0828	+ 0.0077		4141
4142	Scorpii	7-8	6	84°78	6	15	56	43.432	+ 3.4798	+ 0.0143		4142
4143	Serpentis	8	...	91°83	3	15	57	5.169	+ 3.1159	+ 0.0082		4143
4144	Serpentis	7	2	89°50	3	15	57	12.691	+ 3.1838	+ 0.0091		4144
4145	Scorpii	7-6	...	84°49	3	15	57	18.159	+ 3.5946	+ 0.0167		4145
4146	44 Serpentis π	5-4*	...	89°41	3	15	57	33.486	+ 2.5815	+ 0.0033	0.0000	4146
4147	Libræ	7-8	1	90°79	3	15	58	9.708	+ 3.2677	+ 0.0103		4147
4148	51 Libræ	6	2	82°47	3	15	58	19.026	+ 3.2980	+ 0.0109	- 0.0065	4148
4149	Libræ	8-7	3	85°47	3	15	58	20.904	+ 3.3082	+ 0.0110		4149
4150	Libræ	8-7	3	85°49	3	15	58	22.711	+ 3.2997	+ 0.0109		4150
4151	Libræ	8	3	85°49	3	15	58	23.531	+ 3.2997	+ 0.0109		4151
4152	Scorpii	7	1	89°46	3	15	58	42.627	+ 3.4527	+ 0.0136		4152
4153	Scorpii	8-7	1	86°50	3	15	58	45.319	+ 3.5711	+ 0.0160		4153
4154	Serpentis	8	...	90°79	3	15	59	2.102	+ 3.0898	+ 0.0078	- 0.0140	4154
4155	8 Scorpii β^1	3-2	1	86°42	47	15	59	2.359	+ 3.4816	+ 0.0141	- 0.0026	4155
4156	Scorpii β^2	6-5	7	83°49	4	15	59	2.714	+ 3.4815	+ 0.0141	- 0.0026	4156
4157	Serpentis	7	3	84°43	3	15	59	23.048	+ 3.1377	+ 0.0085		4157
4158	Scorpii	6-7	...	84°45	3	15	59	32.608	+ 3.5707	+ 0.0159		4158
4159	Serpentis	8-7	3	89°73	3	15	59	34.847	+ 3.1939	+ 0.0091		4159
4160	Serpentis	7-8	2	87°46	3	15	59	36.416	+ 3.1341	+ 0.0083		4160
4161	Serpentis	7-6	3	87°03	5	15	59	52.235	+ 3.1940	+ 0.0091		4161
4162	Serpentis	7-6	3	86°20	4	16	0	8.412	+ 3.1910	+ 0.0091		4162
4163	9 Scorpii ω^1	4-5	...	84°78	3	16	0	22.246	+ 3.5028	+ 0.0144	- 0.0029	4163
4164	Scorpii	8-7	1	91°08	3	16	0	30.750	+ 3.3106	+ 0.0109		4164
4165	Scorpii	8	1	92°11	3	16	0	38.231	+ 3.4017	+ 0.0125		4165
4166	Scorpii	8-7	2	91°82	3	16	0	47.805	+ 3.4194	+ 0.0127		4166
4167	Scorpii	7-6	2	84°44	3	16	0	55.242	+ 3.3570	+ 0.0117	- 0.0202	4167
4168	10 Scorpii ω^2	5-4	...	84°45	3	16	0	57.126	+ 3.5081	+ 0.0144	+ 0.0010	4168
4169	Scorpii	7	3	83°42	3	16	1	15.635	+ 3.5936	+ 0.0162		4169
4170	Scorpii	6	...	83°79	3	16	1	25.194	+ 3.6399	+ 0.0172		4170
4171	11 Scorpii	6-7	3	85°21	4	16	1	29.781	+ 3.3290	+ 0.0112	- 0.0050	4171
4172	Scorpii	7-8	2	90°36	3	16	1	46.731	+ 3.4491	+ 0.0133	0.0000	4172
4173	Scorpii	8	2	91°80	3	16	1	47.819	+ 3.2289	+ 0.0096		4173
4174	Scorpii	7-6	1	84°82	3	16	2	9.345	+ 3.5760	+ 0.0157		4174
4175	Scorpii	7-6	2	87°45	3	16	2	26.255	+ 3.2738	+ 0.0102		4175
4176	Scorpii	8-7	2	86°77	3	16	2	40.359	+ 3.4670	+ 0.0135		4176
4177	Scorpii	7	2	87°48	3	16	3	15.434	+ 3.3368	+ 0.0112		4177
4178	Serpentis	8	2	91°78	3	16	3	20.534	+ 3.1577	+ 0.0085		4178
4179	Scorpii	7	3	89°08	3	16	3	32.980	+ 3.5996	+ 0.0161		4179
4180	Scorpii	7	5	86°92	6	16	3	35.191	+ 3.4531	+ 0.0131		4180
4181	Scorpii	7-8	1	88°79	3	16	3	49.363	+ 3.5415	+ 0.0148		4181
4182	Serpentis	6-5	1	84°83	3	16	4	5.008	+ 3.1374	+ 0.0082		4182
4183	Scorpii	6-5	...	83°77	3	16	4	11.950	+ 3.7243	+ 0.0186		4183
4184	Serpentis	8	1	92°07	4	16	4	17.200	+ 3.0996	+ 0.0077		4184
4185	Scorpii	7-8	1	86°81	3	16	4	51.494	+ 3.2374	+ 0.0095		4185

4148. Double: the companion, of the 8-7 magnitude, follows about 0^s.3, and is very slightly north.
 4155, 4156. The relative positions of these stars appear to have remained sensibly unchanged during the last 100 years.
 4156. The magnitudes assigned to this star by Lalande, Struve, and Gould are 7 $\frac{1}{2}$, 4.0, and 7 $\frac{3}{4}$ respectively.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4141	89°44	3	90 30 45.85	+ 10.294	- 0.390				29168				4141
4142	85°45	5	109 32 1.90	+ 10.274	- 0.440				29156			2493	4142
4143	91°83	3	92 9 50.24	+ 10.247	- 0.395				29187	1041			4143
4144	89°50	3	95 31 39.65	+ 10.237	- 0.404				29188	1044			4144
4145	84°49	3	114 25 18.23	+ 10.231	- 0.455				29117		8729		4145
4146	86°96	4	66 53 22.59	+ 10.212	- 0.328	- 0.037	2038	250	29222			2494	4146
4147	90°79	3	99 36 55.17	+ 10.165	- 0.415								4147
4148	82°47	3	101 4 9.28	+ 10.154	- 0.419	+ 0.019	2033	245	29207	1061		2495	4148
4149	85°47	3	101 33 13.64	+ 10.151	- 0.421				29208				4149
4150	85°49	3	101 8 43.84	+ 10.149	- 0.419				29215	1064			4150
4151	85°49	3	101 8 46.48	+ 10.148	- 0.420				29217	1065			4151
4152	89°46	3	108 14 12.64	+ 10.124	- 0.439			249	29219				4152
4153	86°50	3	113 22 0.53	+ 10.121	- 0.454				29214		8740		4153
4154	90°79	3	90 51 26.56	+ 10.100	- 0.394	+ 0.070			29259				4154
4155	81°97	16	109 30 13.06	+ 10.100	- 0.443	+ 0.027	2034	251	29228		8743	2497	4155
4156	82°06	10	109 30 0.60	+ 10.098	- 0.443	+ 0.027		252	29231			2498	4156
4157	84°43	3	93 13 36.33	+ 10.073	- 0.400				29268	1090			4157
4158	84°45	3	113 18 20.47	+ 10.061	- 0.455				29247		8748		4158
4159	89°73	3	95 59 25.23	+ 10.058	- 0.407				29270	1091			4159
4160	87°46	3	93 2 48.35	+ 10.057	- 0.400				29274	1092			4160
4161	87°03	5	95 59 29.11	+ 10.037	- 0.408				29280	1099			4161
4162	86°20	4	95 50 25.36	+ 10.016	- 0.408				29291	1105			4162
4163	84°78	3	110 22 14.23	+ 9.999	- 0.447	+ 0.020	2039	259	29285			2503	4163
4164	91°08	3	101 36 25.11	+ 9.987	- 0.423				29297				4164
4165	92°11	3	105 50 54.06	+ 9.978	- 0.435				29296				4165
4166	91°82	3	106 38 43.72	+ 9.966	- 0.437				29301				4166
4167	84°44	3	103 46 27.95	+ 9.957	- 0.429	- 0.067			29314	1118			4167
4168	84°45	3	110 34 14.26	+ 9.954	- 0.448	+ 0.046	2040	263	29303		8764	2505	4168
4169	83°42	3	114 9 57.93	+ 9.930	- 0.460				29311		8768		4169
4170	83°79	3	116 1 51.38	+ 9.919	- 0.466						8769	2506	4170
4171	85°21	4	102 26 55.43	+ 9.913	- 0.426	+ 0.033	2042	268	29331			2507	4171
4172	90°36	3	107 56 39.81	+ 9.891	- 0.442	+ 0.150			29338				4172
4173	91°80	3	97 39 41.12	+ 9.890	- 0.414					1142			4173
4174	84°82	3	113 23 27.50	+ 9.863	- 0.458				29345		8773	2508	4174
4175	87°45	3	99 48 18.69	+ 9.842	- 0.420				29365	1150			4175
4176	86°77	3	108 42 7.13	+ 9.824	- 0.445			273	29361				4176
4177	87°48	3	102 45 38.84	+ 9.779	- 0.429				29391				4177
4178	91°78	3	94 10 26.65	+ 9.771	- 0.406					1173	8790		4178
4179	89°08	3	114 17 27.41	+ 9.756	- 0.463				29388				4179
4180	86°92	6	108 2 51.93	+ 9.754	- 0.444				29395				4180
4181	88°79	3	111 51 59.74	+ 9.736	- 0.456				29400				4181
4182	84°83	3	93 10 35.32	+ 9.715	- 0.405			280	29440	20	8793	2512	4182
4183	83°77	3	119 7 29.11	+ 9.707	- 0.480							2513	4183
4184	92°07	4	91 19 30.59	+ 9.700	- 0.400			1	29445	26			4184
4185	86°81	3	98 0 39.90	+ 9.657	- 0.418				29454	41			4185

4155 is 3486 of the Radcliffe Catalogue, 1845.

4148, 4155, 4156, are respectively 1542, 1544, 1545 of the Radcliffe Catalogue, 1860.

4154, 4172. The Proper Motions have been determined in the formation of the present Catalogue.

4167. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A. h. m. s.	Precess. s.	Sec. Var. s.	Proper Motion. s.	No.
4186	13 Scorpil c^2	5*	...	83.81	3	16 5 31.516	+ 3.6870	+ 0.0176	+ 0.0002	4186
4187	Scorpil	9	3	86.82	3	16 5 35.037	+ 3.4804	+ 0.0134		4187
4188	Scorpil	7-8	3	81.95	2	16 5 35.083	+ 3.4804	+ 0.0134		4188
4189	14 Scorpil v	5	2	82.09	3	16 5 36.023	+ 3.4806	+ 0.0134	- 0.0028	4189
4190	15 Scorpil ψ	5-6	2	84.15	3	16 5 59.144	+ 3.2750	+ 0.0100	- 0.0035	4190
4191	16 Scorpil	6-7	3	84.42	3	16 6 9.623	+ 3.2432	+ 0.0096	- 0.0015	4191
4192	Scorpil	8-9	3	92.13	3	16 6 47.903	+ 3.3606	+ 0.0114		4192
4193	Scorpil	7-8	2	85.46	3	16 6 58.024	+ 3.3843	+ 0.0116		4193
4194	Serpentis	8-7	3	86.48	4	16 7 4.077	+ 3.1021	+ 0.0077		4194
4195	Scorpil	7-6	2	83.46	3	16 7 8.414	+ 3.6005	+ 0.0156		4195
4196	Ophiuchi	7-6	3	84.47	3	16 7 9.455	+ 3.1536	+ 0.0082		4196
4197	Scorpil	7	2	87.45	3	16 7 12.436	+ 3.5275	+ 0.0142		4197
4198	Serpentis	7	2	89.45	3	16 7 32.741	+ 3.0774	+ 0.0074		4198
4199	Serpentis	7-8	1	89.16	3	16 7 34.053	+ 3.0955	+ 0.0076	- 0.0020	4199
4200	17 Scorpil χ	6-5	1	84.87	3	16 7 45.789	+ 3.3137	+ 0.0105	- 0.0028	4200
4201	Scorpil	8-9	1	92.39	3	16 7 47.097	+ 3.4135	+ 0.0120		4201
4202	Scorpil	7	2	86.51	3	16 7 49.403	+ 3.2349	+ 0.0093		4202
4203	Serpentis	7-6	8	88.19	9	16 7 57.843	+ 3.0971	+ 0.0076		4203
4204	Scorpil	8	...	92.47	4	16 7 59.835	+ 3.2096	+ 0.0090		4204
4205	Scorpil	7	2	87.51	3	16 8 0.758	+ 3.5215	+ 0.0140		4205
4206	Scorpil	7	2	85.53	3	16 8 18.373	+ 3.4621	+ 0.0129		4206
4207	Scorpil	7-8	...	92.45	3	16 8 21.763	+ 3.5522	+ 0.0146		4207
4208	Ophiuchi	8-7	2	86.16	3	16 8 30.410	+ 3.1384	+ 0.0081		4208
4209	1 Ophiuchi δ	3-2	2	85.38	62	16 8 34.824	+ 3.1430	+ 0.0081	- 0.0049	4209
4210	Scorpil	8-7	1	91.82	3	16 9 25.907	+ 3.3330	+ 0.0107		4210
4211	18 Scorpil	5-6	1	87.45	3	16 9 38.505	+ 3.2406	+ 0.0093	+ 0.0112	4211
4212	Scorpil	6	1	89.47	3	16 9 38.831	+ 3.3805	+ 0.0114		4212
4213	Scorpil	7	...	91.14	3	16 9 49.733	+ 3.6004	+ 0.0153		4213
4214	Scorpil	7	2	87.50	3	16 10 29.750	+ 3.5289	+ 0.0139		4214
4215	Scorpil	7	4	81.44	3	16 10 33.314	+ 3.5006	+ 0.0133		4215
4216	Scorpil	8	2	92.35	3	16 10 34.944	+ 3.2800	+ 0.0099		4216
4217	Ophiuchi	7	2	84.45	3	16 10 38.959	+ 3.1010	+ 0.0075		4217
4218	Scorpil	9-8	4	91.37	3	16 10 41.256	+ 3.5680	+ 0.0145		4218
4219	Ophiuchi	7-8	2	89.11	3	16 10 57.915	+ 3.1811	+ 0.0084		4219
4220	Scorpil	7-8	2	87.46	3	16 11 6.911	+ 3.3923	+ 0.0115		4220
4221	Ophiuchi	7-6	3	83.45	3	16 11 8.177	+ 3.1490	+ 0.0080	+ 0.0003	4221
4222	Scorpil	6*	...	80.47	3	16 11 28.487	+ 3.7142	+ 0.0173		4222
4223	Scorpil	7-8	4	86.76	3	16 11 41.092	+ 3.3495	+ 0.0108		4223
4224	Scorpil	7-8	3	86.81	3	16 11 50.681	+ 3.3512	+ 0.0108		4224
4225	Scorpil	7-8	2	85.44	3	16 12 7.779	+ 3.4394	+ 0.0122		4225
4226	2 Ophiuchi ϵ	3-4*	...	83.23	4	16 12 29.993	+ 3.1648	+ 0.0082	+ 0.0040	4226
4227	Scorpil	8-9	3	92.06	3	16 12 40.708	+ 3.3095	+ 0.0101		4227
4228	Scorpil	6-7	1	84.81	3	16 12 41.063	+ 3.5055	+ 0.0132		4228
4229	Scorpil	7-6	2	84.45	3	16 12 47.692	+ 3.3834	+ 0.0112		4229
4230	Scorpil	7-8	2	86.51	3	16 13 12.327	+ 3.4735	+ 0.0126		4230

4202. Reddish star. The magnitude assigned to this star in Weisse's Bessel is 9.

4209. Yellowish-red star. The magnitude assigned to this star in Weisse's Bessel is 5.

4218. This star is near the nebula, Messier 80.

4226. The magnitude assigned to this star in Weisse's Bessel is 5.6.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4186	83° 81'	3	117 38 23.57	+9.604	-0.476	+0.022	2052	2			8807	2515	4186
4187	84° 15'	3	109 9 48.17	+9.600	-0.450								4187
4188	81° 80'	3	109 9 49.03	+9.600	-0.450			3	29466			2516	4188
4189	81° 94'	4	109 10 26.63	+9.599	-0.450	+0.013	2055	4	29468		8809	2517	4189
4190	84° 15'	3	99 46 42.13	+9.570	-0.424	+0.007	2056	6	29485	58		2518	4190
4191	84° 42'	3	98 15 44.72	+9.556	-0.420	-0.005	2057	8	29493	62	8815	2519	4191
4192	92° 13'	3	103 45 7.99	+9.507	-0.436								4192
4193	85° 46'	3	104 50 0.40	+9.494	-0.439				29511	72			4193
4194	86° 48'	4	91 26 18.80	+9.486	-0.403				29524	79			4194
4195	83° 46'	3	114 8 23.40	+9.481	-0.467						8821		4195
4196	84° 47'	3	93 56 14.95	+9.480	-0.409				29526	80			4196
4197	87° 45'	3	111 7 5.88	+9.476	-0.457			10	29515				4197
4198	89° 45'	3	90 14 12.25	+9.449	-0.400				29545				4198
4199	89° 16'	3	91 7 4.47	+9.448	-0.402	+0.020				91			4199
4200	84° 87'	3	101 33 23.02	+9.432	-0.431	+0.004	2059	15	29537				4200
4201	92° 43'	3	106 7 14.05	+9.431	-0.443								4201
4202	86° 51'	3	97 50 12.27	+9.428	-0.421			16		94			4202
4203	88° 19'	9	91 11 38.24	+9.417	-0.403				29555	102			4203
4204	92° 47'	4	96 37 34.57	+9.414	-0.417					99			4204
4205	87° 51'	3	110 49 36.35	+9.413	-0.457				29535				4205
4206	85° 53'	3	108 15 8.80	+9.391	-0.450				29552				4206
4207	92° 45'	3	112 6 2.82	+9.386	-0.462			17	29547				4207
4208	86° 16'	3	93 11 27.96	+9.376	-0.409				29571				4208
4209	81° 63'	17	93 24 37.22	+9.369	-0.409	+0.137	2065	21	29573	116	8838	2525	4209
4210	91° 82'	3	102 24 11.49	+9.303	-0.435				29599	135			4210
4211	87° 45'	3	98 4 39.21	+9.288	-0.423	+0.514	2067	26	29617	142		2528	4211
4212	89° 47'	3	104 34 21.90	+9.287	-0.441					140		2529	4212
4213	91° 14'	3	114 0 24.01	+9.272	-0.470				29600		8846		4213
4214	87° 50'	3	111 1 45.65	+9.221	-0.461								4214
4215	81° 44'	3	109 49 47.57	+9.217	-0.457			28	29631				4215
4216	92° 35'	3	99 54 49.88	+9.214	-0.429					152			4216
4217	84° 45'	3	91 22 27.45	+9.209	-0.406				29649	156			4217
4218	91° 37'	3	112 38 53.63	+9.206	-0.466								4218
4219	89° 11'	3	95 13 21.83	+9.184	-0.416				29656	164			4219
4220	87° 46'	3	105 3 17.42	+9.173	-0.444				29651	162			4220
4221	83° 45'	3	93 40 48.64	+9.171	-0.412	-0.014	2070		29664	166		2531	4221
4222	80° 47'	3	118 20 20.89	+9.145	-0.486			31			8857	2532	4222
4223	86° 76'	3	103 5 59.10	+9.129	-0.439				29671	173			4223
4224	86° 81'	3	103 10 20.92	+9.116	-0.439				29673	176			4224
4225	85° 44'	3	107 6 56.94	+9.093	-0.451				29677				4225
4226	82° 50'	3	94 25 25.21	+9.065	-0.416	-0.034	2073	41	29691	193		2536	4226
4227	92° 06'	3	101 14 15.21	+9.051	-0.435					197			4227
4228	84° 81'	3	109 56 55.32	+9.051	-0.460			39	29683				4228
4229	84° 45'	3	104 36 15.28	+9.041	-0.444				29689	199			4229
4230	86° 51'	3	108 33 37.55	+9.010	-0.457				29696				4230

4189, 4209, are respectively 3502, 3515 of the Radcliffe Catalogue, 1845.
 4186, 4209, 4211, 4226, are respectively 1552, 1561, 1562, 1565 of the Radcliffe Catalogue, 1860.
 4199. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
4231	Ophiuchi	7-6	1	89°32	3	16	13	15.745	+ 3.2108	+ 0.0087		4231
4232	Ophiuchi	8	...	91°72	3	16	13	59.541	+ 3.2745	+ 0.0095		4232
4233	19 Scorpil	5-4	3	85°58	7	16	14	0.781	+ 3.6028	+ 0.0149	— 0.0041	4233
4234	Ophiuchi	7-6	2	89°04	3	16	14	12.309	+ 3.5458	+ 0.0138		4234
4235	Ophiuchi	8-9	1	91°97	4	16	14	14.064	+ 3.1302	+ 0.0078		4235
4236	Scorpil	7-6	2	84°45	3	16	14	20.389	+ 3.3411	+ 0.0104		4236
4237	Ophiuchi	8	3	86°25	5	16	14	27.549	+ 3.1624	+ 0.0080		4237
4238	20 Scorpil	3-4*	...	84°04	4	16	14	29.963	+ 3.6394	+ 0.0154	— 0.0022	4238
4239	Ophiuchi	9-10	2	89°47	3	16	16	16.512	+ 3.2280	+ 0.0088		4239
4240	Ophiuchi	7-8	4	86°22	4	16	16	19.394	+ 3.2518	+ 0.0091		4240
4241	Ophiuchi	8-7	2	87°46	3	16	16	30.827	+ 3.3077	+ 0.0098		4241
4242	Ophiuchi	7	4	81°44	3	16	16	34.752	+ 3.4348	+ 0.0117		4242
4243	Ophiuchi	7-6	2	82°15	3	16	16	56.331	+ 3.1108	+ 0.0074		4243
4244	20 Herculis	3*	...	85°83	25	16	17	4.079	+ 2.6481	+ 0.0039	— 0.0049	4244
4245	Ophiuchi	7-8	2	85°47	3	16	17	26.329	+ 3.0851	+ 0.0071		4245
4246	4 Ophiuchi	5-6	3	84°48	3	16	17	39.824	+ 3.5061	+ 0.0127	— 0.0028	4246
4247	Ophiuchi	7-8	1	90°16	3	16	18	0.018	+ 3.3020	+ 0.0096		4247
4248	Ophiuchi	9	2	92°45	3	16	18	7.707	+ 3.3916	+ 0.0109		4248
4249	Ophiuchi	8-9	1	92°37	3	16	18	11.236	+ 3.3596	+ 0.0104	— 0.0160	4249
4250	Ophiuchi	7	1	89°48	3	16	18	48.455	+ 3.5907	+ 0.0140		4250
4251	Ophiuchi	7-6	3	84°00	4	16	18	56.019	+ 3.1196	+ 0.0074		4251
4252	Ophiuchi	7-8	1	85°68	5	16	18	59.210	+ 3.5905	+ 0.0140	— 0.0032	4252
4253	5 Ophiuchi	6-7	1	85°70	4	16	18	59.268	+ 3.5905	+ 0.0140	— 0.0032	4253
4254	Ophiuchi	8-7	...	92°12	3	16	18	59.295	+ 3.5895	+ 0.0140		4254
4255	Ophiuchi	8-7	3	85°54	3	16	19	8.590	+ 3.1193	+ 0.0074		4255
4256	Ophiuchi	9-8	2	92°08	3	16	19	18.774	+ 3.4156	+ 0.0111		4256
4257	Ophiuchi	8	1	92°07	3	16	19	36.627	+ 3.2823	+ 0.0092		4257
4258	Ophiuchi	8-7	...	92°14	3	16	19	46.439	+ 3.1490	+ 0.0076		4258
4259	Ophiuchi	8-7	2	92°44	3	16	19	47.086	+ 3.1922	+ 0.0081		4259
4260	Ophiuchi	Var.	3	85°44	3	16	20	36.314	+ 3.3343	+ 0.0099		4260
4261	7 Ophiuchi	5	3	81°43	4	16	20	38.730	+ 3.4715	+ 0.0119	— 0.0038	4261
4262	Ophiuchi	7-8	3	86°48	3	16	20	40.675	+ 3.4554	+ 0.0116		4262
4263	Ophiuchi	8-7	4	85°46	3	16	20	41.899	+ 3.2533	+ 0.0089		4263
4264	Ophiuchi	7-8	...	92°42	3	16	20	42.663	+ 3.5595	+ 0.0132	— 0.0200	4264
4265	21 Ursæ Minoris ...	5*	...	89°44	3	16	20	43.146	— 1.7970	+ 0.1180	— 0.0190	4265
4266	Ophiuchi	6-5	2	84°48	4	16	21	47.688	+ 3.2293	+ 0.0085	0.0000	4266
4267	3 Ophiuchi	5-6	1	84°50	3	16	21	51.179	+ 3.2461	+ 0.0087		4267
4268	Ophiuchi	7-8	...	87°45	3	16	21	59.246	+ 3.4205	+ 0.0109		4268
4269	Draconis	6-5*	...	86°50	3	16	22	0.988	+ 1.3054	+ 0.0102	+ 0.0040	4269
4270	Ophiuchi	7	2	87°11	3	16	22	18.577	+ 3.3570	+ 0.0101		4270
4271	Ophiuchi	7-8	2	85°52	3	16	22	23.873	+ 3.4620	+ 0.0116		4271
4272	14 Draconis	3-2	1	85°21	4	16	22	30.161	+ 0.8050	+ 0.0187	+ 0.0060	4272
4273	21 Scorpil	1-2*	...	85°67	22	16	22	39.625	+ 3.6715	+ 0.0149	— 0.0022	4273
4274	Ophiuchi	7	3	83°42	3	16	22	52.337	+ 3.2412	+ 0.0086	— 0.0020	4274
4275	Ophiuchi	7-6	3	87°49	4	16	23	5.147	+ 3.0661	+ 0.0067	— 0.0060	4275

4242. The magnitudes and N. P. D. of Lalande 29778 and 29779 appear to have been interchanged.
 4258. The R. A. of this star in Weisse's Bessel is 1^m too small.

4260. Very red star. The limits of magnitude are 7.0 and 10.5: the period is 304 days. The observed magnitudes were 7-6, 8-9, and 10-9 on 1885 May 1, June 26, and July 1 respectively.
 4266. Reddish star.

4275. Reddish-yellow star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
4231	89°32	3	96 36 19.63	+9.005	-0.422				29706	213			4231
4232	91°72	3	99 35 3.39	+8.948	-0.431					226			4232
4233	85°58	7	113 54 11.67	+8.946	-0.474	+0.025	2076	46	29713		8881		4233
4234	89°04	3	111 34 31.77	+8.932	-0.467								4234
4235	91°97	4	92 45 32.51	+8.929	-0.413				29741	231			4235
4236	84°45	3	102 38 47.81	+8.922	-0.440				29737	228			4236
4237	86°46	4	94 17 32.72	+8.911	-0.417					238			4237
4238	84°04	4	115 19 40.28	+8.908	-0.479	+0.007	2077	50	29728		8887	2538	4238
4239	89°47	3	97 22 7.23	+8.770	-0.427								4239
4240	86°22	4	98 28 50.81	+8.766	-0.430			58	29780	265			4240
4241	87°46	3	101 3 44.82	+8.750	-0.438				29781				4241
4242	81°44	3	106 45 33.62	+8.745	-0.455				29778				4242
4243	82°15	3	91 49 12.82	+8.717	-0.412				29800	284			4243
4244	82°59	15	70 35 16.35	+8.707	-0.352	-0.048	2084	66	29830		8915	2547	4244
4245	85°47	3	90 35 51.23	+8.678	-0.409				29822				4245
4246	84°48	3	109 46 45.92	+8.659	-0.465	+0.062	2082	64	29806			2548	4246
4247	90°16	3	100 46 3.69	+8.633	-0.438				29827	297			4247
4248	92°45	3	104 48 35.96	+8.622	-0.450								4248
4249	92°37	3	103 22 45.83	+8.618	-0.446	+0.240			29834	303			4249
4250	89°48	3	113 12 20.46	+8.570	-0.477			68	29840				4250
4251	84°00	4	92 13 59.54	+8.559	-0.415				29889	319			4251
4252	85°98	4	113 11 31.98	+8.555	-0.477	+0.009	2083	71	29844				4252
4253	85°70	4	113 11 35.58	+8.555	-0.477	+0.009	2083	71	29844				4253
4254	92°12	3	113 9 3.20	+8.555	-0.477			72	29843				4254
4255	85°54	3	92 12 59.35	+8.542	-0.415				29895	326			4255
4256	92°08	3	105 49 55.76	+8.529	-0.455								4256
4257	92°07	3	99 49 54.18	+8.505	-0.437			76	29871	331			4257
4258	92°46	4	93 36 50.71	+8.493	-0.420				29883	312			4258
4259	92°44	3	95 38 42.86	+8.492	-0.425				29882				4259
4260	85°44	3	102 10 36.12	+8.427	-0.445								4260
4261	81°44	3	108 12 21.52	+8.423	-0.463	+0.018	2088	80	29894				4261
4262	86°48	3	107 31 4.46	+8.421	-0.461				29896				4262
4263	85°46	3	98 28 38.99	+8.419	-0.434				29900				4263
4264	92°42	3	111 52 5.93	+8.418	-0.475	+0.340							4264
4265	83°43	4	13 59 29.81	+8.418	+0.234	-0.254	2111	114				2556	4265
4266	84°48	4	97 20 45.27	+8.332	-0.432	+0.170			29935	374			4266
4267	84°50	3	98 7 28.45	+8.328	-0.434			83	29939	376	8950		4267
4268	87°45	3	105 57 54.15	+8.317	-0.458				29934				4268
4269	86°50	3	34 32 40.20	+8.315	-0.177	+0.012							4269
4270	87°11	3	103 9 14.38	+8.291	-0.449				29951	381			4270
4271	85°52	3	107 44 22.27	+8.284	-0.463				29947				4271
4272	84°97	6	28 14 11.00	+8.276	-0.111	-0.050	2104	102				2561	4272
4273	84°19	12	116 11 13.37	+8.263	-0.490	+0.028	2091	84	29943		8954	2558	4273
4274	83°42	3	97 52 55.33	+8.247	-0.434	+0.110		88	29966				4274
4275	87°49	4	89 41 51.23	+8.229	-0.411	+0.100			29981	397			4275

4238, 4244, 4246, 4265, 4269, 4272, 4273, are respectively 3526, 3537, 3536, 3558, 3553, 3557, 3545 of the Radcliffe Catalogue, 1845.
 4238, 4244, 4246, 4252, 4253, 4265, 4272, 4273, are respectively 1568, 1572, 1574, 1576, 1577, 1580, 1581, 1579 of the Radcliffe Catalogue, 1860.
 4249, 4264, 4266, 4274, 4275. The Proper Motions have been determined in the formation of the present Catalogue.
 4269. The Proper Motions have been taken from Auwers' "Catalog der Fundamental-Sterne."

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
4276	Ophiuchi	7	2	87.48	3	16	23	15.168	+ 3.3614	+ 0.0101		4276
4277	22 Scorpii	6-5	1	82.46	3	16	23	31.415	+ 3.6382	+ 0.0142	- 0.0027	4277
4278	Ophiuchi	6	3	84.50	3	16	23	33.694	+ 3.3837	+ 0.0103		4278
4279	Ophiuchi	7	3	89.10	3	16	23	44.177	+ 3.3073	+ 0.0093		4279
4280	Scorpii	4-5	...	84.97	2	16	24	11.474	+ 3.9110	+ 0.0192		4280
4281	Ophiuchi	7-6	2	85.76	4	16	24	34.359	+ 3.2286	+ 0.0083		4281
4282	8 Ophiuchi ϕ	5	3	84.72	9	16	24	50.469	+ 3.4319	+ 0.0109	- 0.0051	4282
4283	Ophiuchi	9-8	1	91.01	3	16	24	53.842	+ 3.1672	+ 0.0076		4283
4284	Ophiuchi	8	1	92.06	3	16	25	2.659	+ 3.5810	+ 0.0131		4284
4285	Ophiuchi	8	2	91.49	3	16	25	5.667	+ 3.1166	+ 0.0071		4285
4286	Ophiuchi	7-8	3	85.53	3	16	25	21.651	+ 3.2376	+ 0.0084		4286
4287	10 Ophiuchi λ	3-4	2	87.95	18	16	25	21.904	+ 3.0249	+ 0.0062	- 0.0027	4287
4288	27 Herculis β	2-3*	...	86.17	4	16	25	29.474	+ 2.5844	+ 0.0036	- 0.0090	4288
4289	9 Ophiuchi ω	5-4	3	85.76	5	16	25	36.819	+ 3.5484	+ 0.0126	+ 0.0001	4289
4290	Ophiuchi	9	1	91.81	3	16	25	56.866	+ 3.5313	+ 0.0122		4290
4291	Ophiuchi	7-8	1	89.52	3	16	26	0.031	+ 3.2768	+ 0.0088		4291
4292	Ophiuchi	7-8	1	90.14	3	16	26	0.507	+ 3.3375	+ 0.0096		4292
4293	Ophiuchi	7-8	2	85.48	3	16	26	21.865	+ 3.4184	+ 0.0105		4293
4294	Ophiuchi	7	3	84.51	4	16	26	52.420	+ 3.2963	+ 0.0090		4294
4295	Ophiuchi	8-7	3	86.51	3	16	27	3.568	+ 3.3463	+ 0.0096		4295
4296	Scorpii	8-9	2	92.44	3	16	27	12.208	+ 3.6211	+ 0.0134		4296
4297	Ophiuchi	7-8	2	85.48	3	16	27	23.168	+ 3.3411	+ 0.0095		4297
4298	Ophiuchi	9-8	...	92.45	3	16	27	25.553	+ 3.0889	+ 0.0068	0.0000	4298
4299	Ophiuchi	7	1	89.84	3	16	27	35.893	+ 3.1591	+ 0.0073		4299
4300	Ophiuchi	8-7	1	92.03	3	16	27	38.633	+ 3.3845	+ 0.0100		4300
4301	Ophiuchi	8-7	...	92.14	3	16	28	5.253	+ 3.1764	+ 0.0075		4301
4302	15 Draconis A	5*	...	86.41	3	16	28	11.783	- 0.1356	+ 0.0409	- 0.0090	4302
4303	Ophiuchi	9-8	1	92.45	3	16	28	20.217	+ 3.5136	+ 0.0118		4303
4304	Ophiuchi	8-9	1	92.46	3	16	28	29.575	+ 3.4744	+ 0.0112		4304
4305	Ophiuchi	8-7	...	92.08	3	16	28	35.871	+ 3.1999	+ 0.0077		4305
4306	Ophiuchi	7-8	3	87.42	3	16	28	36.455	+ 3.2438	+ 0.0082		4306
4307	23 Scorpii τ	3-4*	...	80.55	3	16	29	1.983	+ 3.7277	+ 0.0150	- 0.0022	4307
4308	Ophiuchi	7	3	86.85	3	16	30	32.591	+ 3.2601	+ 0.0083		4308
4309	35 Herculis σ	4*	...	83.82	3	16	30	33.481	+ 1.9331	+ 0.0043	- 0.0020	4309
4310	12 Ophiuchi	6	2	84.51	3	16	30	34.718	+ 3.1176	+ 0.0069	+ 0.0254	4310
4311	Ophiuchi	8-9	1	92.11	3	16	31	5.367	+ 3.5683	+ 0.0123		4311
4312	13 Ophiuchi ζ	3-2	4	85.82	61	16	31	6.033	+ 3.2984	+ 0.0087	- 0.0007	4312
4313	Ophiuchi	8	...	92.05	3	16	31	17.954	+ 3.4422	+ 0.0104		4313
4314	Ophiuchi	8	2	92.46	3	16	31	23.508	+ 3.3277	+ 0.0090		4314
4315	Ophiuchi	8-7	3	87.50	4	16	31	42.814	+ 3.0766	+ 0.0064		4315
4316	Ophiuchi	7-8	2	90.14	3	16	31	43.747	+ 3.5900	+ 0.0125		4316
4317	Ophiuchi	8	2	92.46	3	16	32	4.340	+ 3.3922	+ 0.0097		4317
4318	Ophiuchi	7	2	85.49	3	16	32	5.789	+ 3.4753	+ 0.0108		4318
4319	Ophiuchi	6-7	3	84.52	3	16	32	7.991	+ 3.2097	+ 0.0077		4319
4320	Ophiuchi	7-8	...	90.11	3	16	32	10.204	+ 3.4899	+ 0.0110		4320

4287. Close double: the companion follows, and is south.

4291. The N. P. D. of this star in Weisse's Bessel is about 50" too small.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
4276	87.48	3	103 19 37.58	+ 8.216	- 0.451				29972	393			4276
4277	82.46	3	114 52 20.82	+ 8.195	- 0.488	- 0.001	2092	89	29967		8959		4277
4278	84.50	3	104 18 31.39	+ 8.191	- 0.454				29980	402		2563	4278
4279	89.10	3	100 53 13.15	+ 8.178	- 0.444				29988	405			4279
4280	83.46	3	124 27 51.38	+ 8.142	- 0.525			92			8963	2564	4280
4281	85.76	4	97 16 25.57	+ 8.111	- 0.434				30015	425			4281
4282	84.72	9	106 22 19.44	+ 8.090	- 0.462	+ 0.028	2094	94	30014			2565	4282
4283	91.01	3	94 25 34.43	+ 8.084	- 0.426								4283
4284	92.06	3	112 33 44.59	+ 8.072	- 0.482								4284
4285	91.49	3	92 3 54.91	+ 8.068	- 0.420								4285
4286	85.53	3	97 40 52.13	+ 8.047	- 0.436			98	30040	438			4286
4287	84.81	3	87 46 28.58	+ 8.047	- 0.408	+ 0.065	2097	100	30048	440	8971	2568	4287
4288	85.48	3	68 16 12.65	+ 8.037	- 0.349	+ 0.015	2100	103	30062			2570	4288
4289	85.76	5	111 13 48.82	+ 8.027	- 0.478	- 0.047	2095	96	30033			2569	4289
4290	91.81	3	110 30 57.05	+ 8.000	- 0.476				30046				4290
4291	89.52	3	99 27 34.71	+ 7.996	- 0.442					448			4291
4292	90.14	3	102 11 41.06	+ 7.996	- 0.450				30051	446			4292
4293	85.48	3	105 44 52.64	+ 7.967	- 0.461			101	30055				4293
4294	84.51	4	100 19 42.27	+ 7.926	- 0.445					462			4294
4295	86.51	3	102 33 50.69	+ 7.910	- 0.452				30076				4295
4296	92.44	3	114 3 24.21	+ 7.900	- 0.489				30069				4296
4297	85.48	3	102 19 37.77	+ 7.885	- 0.451				30081	468			4297
4298	92.45	3	90 45 51.67	+ 7.881	- 0.418	+ 0.120				475			4298
4299	89.84	3	94 1 37.92	+ 7.868	- 0.427			110	30099	480			4299
4300	92.03	3	104 14 0.45	+ 7.863	- 0.457				30090	473			4300
4301	92.14	3	94 49 24.59	+ 7.829	- 0.430				30115				4301
4302	81.78	3	20 59 37.17	+ 7.819	+ 0.015	- 0.036	2118	135				2579	4302
4303	92.45	3	109 42 36.01	+ 7.809	- 0.475				30112				4303
4304	92.46	3	108 4 19.48	+ 7.795	- 0.470				30132	507			4304
4305	92.08	3	95 54 18.59	+ 7.787	- 0.433								4305
4306	87.42	3	97 55 5.61	+ 7.787	- 0.439			115	30130	506			4306
4307	80.55	3	117 59 12.06	+ 7.752	- 0.505	+ 0.023	2103	113			8999	2580	4307
4308	86.85	3	98 37 40.62	+ 7.630	- 0.443			119	30178	539			4308
4309	83.64	6	47 20 7.83	+ 7.630	- 0.264	- 0.026	2113	132	30238			2585	4309
4310	84.51	3	92 5 21.48	+ 7.627	- 0.424	+ 0.309	2108	121	30191	540	9011	2584	4310
4311	92.11	3	111 49 52.58	+ 7.586	- 0.485								4311
4312	83.06	17	100 20 36.62	+ 7.585	- 0.449	- 0.035	2109	123	30198	546	9015	2586	4312
4313	92.05	3	106 37 35.06	+ 7.569	- 0.468				30197			2587	4313
4314	92.46	3	101 38 44.13	+ 7.561	- 0.453				30208	551			4314
4315	87.50	4	90 11 16.95	+ 7.535	- 0.419				30228				4315
4316	90.14	3	112 40 8.75	+ 7.534	- 0.488				30207				4316
4317	92.46	3	104 27 30.68	+ 7.507	- 0.462				30226	566			4317
4318	85.49	3	107 59 54.44	+ 7.504	- 0.473			128	30222				4318
4319	84.52	3	96 18 57.29	+ 7.501	- 0.437				30232	570		2589	4319
4320	90.11	3	108 36 15.42	+ 7.498	- 0.475				30225				4320

4282, 4302, 4307, 4309, are respectively 3561, 3575, 3570, 3578 of the Radcliffe Catalogue, 1845.
 4287, 4288, 4307, 4310, 4312, are respectively 1583, 1584, 1587, 1588, 1589 of the Radcliffe Catalogue, 1860.
 4298. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
4321	Ophiuchi	8	1	92°49	3	16	32	37.996	+ 3.1674	+ 0.0072		4321
4322	Ophiuchi	7-6	4	87°49	3	16	32	49.011	+ 3.2558	+ 0.0081		4322
4323	Ophiuchi	7	4	86°47	3	16	32	52.951	+ 3.0944	+ 0.0066		4323
4324	Ophiuchi	8	2	92°03	3	16	33	29.757	+ 3.4382	+ 0.0101		4324
4325	Ophiuchi	7	2	83°45	3	16	33	38.080	+ 3.2768	+ 0.0083		4325
4326	Ophiuchi	7-8	1	89°50	3	16	33	39.165	+ 3.1352	+ 0.0070	- 0.0070	4326
4327	Ophiuchi	7	1	82°14	3	16	34	5.386	+ 3.5300	+ 0.0113		4327
4328	Ophiuchi	7	2	84°45	3	16	34	9.534	+ 3.2002	+ 0.0075		4328
4329	Ophiuchi	7-8	1	85°08	3	16	34	55.618	+ 3.4735	+ 0.0104		4329
4330	Ophiuchi	6-7	2	82°25	5	16	34	56.087	+ 3.6338	+ 0.0127		4330
4331	Ophiuchi	7-6	3	85°47	3	16	34	58.512	+ 3.2497	+ 0.0079		4331
4332	Ophiuchi	7	1	89°19	3	16	35	1.143	+ 3.3288	+ 0.0088		4332
4333	Ophiuchi	8	2	92°14	3	16	35	11.293	+ 3.3644	+ 0.0092		4333
4334	Ophiuchi	5-6	5	85°91	6	16	35	12.566	+ 3.4662	+ 0.0103	- 0.0027	4334
4335	Ophiuchi	7	2	85°54	3	16	35	23.810	+ 3.1298	+ 0.0068	- 0.0050	4335
4336	Ophiuchi	6-7	2	85°18	3	16	35	25.615	+ 3.5193	+ 0.0110	- 0.0020	4336
4337	Ophiuchi	6-7	1	84°50	3	16	35	31.231	+ 3.0896	+ 0.0064		4337
4338	42 Herculis	5-4*	...	89°28	4	16	35	45.550	+ 1.6301	+ 0.0061	- 0.0010	4338
4339	Ophiuchi	7-8	3	87°49	3	16	36	30.578	+ 3.3145	+ 0.0085		4339
4340	Ophiuchi	8-9	2	92°43	3	16	37	1.761	+ 3.2647	+ 0.0079		4340
4341	Ophiuchi	7-8	1	89°82	3	16	37	3.991	+ 3.5911	+ 0.0118		4341
4342	Ophiuchi	7-8	1	91°51	3	16	37	6.514	+ 3.3802	+ 0.0092		4342
4343	Ophiuchi	8	3	92°40	3	16	37	7.588	+ 3.5397	+ 0.0111		4343
4344	40 Herculis	ζ 3-2*	...	85°54	11	16	37	8.388	+ 2.2972	+ 0.0033	- 0.0356	4344
4345	Ophiuchi	8-9	2	92°38	3	16	37	23.623	+ 3.4085	+ 0.0094		4345
4346	Ophiuchi	7-8	...	91°87	3	16	37	24.632	+ 3.1587	+ 0.0068		4346
4347	Ophiuchi	7-8	3	87°48	3	16	37	40.366	+ 3.4872	+ 0.0103		4347
4348	Ophiuchi	8-7	2	90°53	3	16	37	42.484	+ 3.5862	+ 0.0117		4348
4349	Ophiuchi	7-8	3	86°55	3	16	38	2.224	+ 3.0851	+ 0.0063		4349
4350	Scorpii	6-7	...	80°90	5	16	38	7.281	+ 3.7470	+ 0.0140		4350
4351	15 Ophiuchi	7	1	90°56	3	16	38	31.576	+ 3.6039	+ 0.0119	- 0.0040	4351
4352	Ophiuchi	8-9	2	92°48	3	16	38	35.241	+ 3.1928	+ 0.0071		4352
4353	Ophiuchi	9-10	5	88°26	4	16	38	35.281	+ 3.0730	+ 0.0061		4353
4354	Ophiuchi	7	3	85°49	3	16	39	4.197	+ 3.5028	+ 0.0104		4354
4355	44 Herculis	η 3*	...	86°72	4	16	39	7.464	+ 2.0518	+ 0.0037	+ 0.0028	4355
4356	Ophiuchi	9-8	1	87°50	3	16	39	10.200	+ 3.0754	+ 0.0061		4356
4357	Ophiuchi	8-7	...	92°48	3	16	39	17.429	+ 3.3042	+ 0.0082		4357
4358	Ophiuchi	7	5	85°55	3	16	39	26.172	+ 3.1357	+ 0.0066		4358
4359	18 Draconis	g 5	1	89°09	3	16	40	9.224	+ 0.4025	+ 0.0232	+ 0.0001	4359
4360	Ophiuchi	8-9	2	92°47	3	16	40	10.982	+ 3.4661	+ 0.0099	+ 0.0120	4360
4361	Ophiuchi	8-7	1	92°48	4	16	40	28.159	+ 3.5276	+ 0.0106	0.0000	4361
4362	Ophiuchi	7-8	1	92°16	3	16	40	36.371	+ 3.3660	+ 0.0088		4362
4363	Ophiuchi	8-9	1	92°40	3	16	40	43.081	+ 3.0979	+ 0.0062		4363
4364	Ophiuchi	9	1	87°51	3	16	40	47.551	+ 3.0757	+ 0.0060		4364
4365	Ophiuchi	8-7	1	92°38	3	16	41	15.673	+ 3.2221	+ 0.0073		4365

4322. Yellowish-red star.

4323. A star of the 7-8 magnitude, Weisse's Bessel, 596, follows 8s, and is 2½ north.

4334. This star is Flamsteed's 24 Scorpii.

4346. Reddish-yellow star.

4358. Lalande's N.P.D. is about 8' too small.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4321	92.48	4	94 22 15.15	+7.461	-0.432								4321
4322	87.48	4	98 23 53.23	+7.446	-0.444				30256.	587			4322
4323	86.47	3	91 0 39.04	+7.440	-0.422					592			4323
4324	92.03	3	106 23 40.85	+7.390	-0.469				30264.			2593	4324
4325	83.45	3	99 19 54.66	+7.379	-0.448				30273.	604			4325
4326	89.50	3	92 53 19.84	+7.378	-0.428	-0.040			30279	609			4326
4327	82.14	3	110 11 35.08	+7.343	-0.482			137	30276				4327
4328	84.45	3	95 51 40.31	+7.336	-0.438					619			4328
4329	85.08	3	107 50 37.35	+7.273	-0.475			142	30308				4329
4330	82.25	5	114 15 13.44	+7.273	-0.497				30304		9054		4330
4331	85.47	3	98 5 40.57	+7.269	-0.445				30317	631			4331
4332	89.19	3	101 37 25.18	+7.267	-0.456				30314	630			4332
4333	92.14	3	103 10 46.34	+7.253	-0.461					634			4333
4334	85.91	6	107 31 42.27	+7.250	-0.474	-0.018	2114	143	30313		9060	2598	4334
4335	85.54	3	92 37 47.47	+7.235	-0.429	+0.470		148	30338	644			4335
4336	85.18	3	109 42 45.93	+7.233	-0.482	-0.044	2115	145	30321			2600	4336
4337	84.50	3	90 47 10.65	+7.226	-0.423				30346				4337
4338	89.28	4	40 51 22.15	+7.205	-0.225	-0.021	2128	163	30451			2602	4338
4339	87.49	3	100 57 46.95	+7.144	-0.455				30369	668			4339
4340	92.43	3	98 44 28.93	+7.102	-0.448								4340
4341	89.82	3	112 31 37.12	+7.099	-0.493				30378				4341
4342	91.51	3	103 49 31.39	+7.095	-0.464				30384	673			4342
4343	92.40	3	110 29 15.42	+7.094	-0.486				30381				4343
4344	82.35	17	58 11 50.69	+7.094	-0.316	-0.410	2127	165	30433		9074	2608	4344
4345	92.38	3	105 2 5.51	+7.072	-0.468								4345
4346	91.87	3	93 56 28.09	+7.070	-0.434				30405	683			4346
4347	87.48	3	108 20 1.54	+7.050	-0.479				30394				4347
4348	90.53	3	112 18 56.82	+7.047	-0.493				30391				4348
4349	86.55	3	90 34 36.45	+7.020	-0.424				30423				4349
4350	80.90	5	118 18 13.78	+7.013	-0.515			159	30398		9081	2609	4350
4351	90.56	3	112 58 41.28	+6.979	-0.496	-0.029	2123	162	30418		9088	2610	4351
4352	92.48	3	95 28 52.33	+6.975	-0.440					704			4352
4353	88.26	4	90 1 16.96	+6.975	-0.423				30436				4353
4354	85.49	3	108 55 59.22	+6.935	-0.482				30502			2611	4354
4355	86.18	3	50 52 5.50	+6.930	-0.284	+0.077	2133	173					4355
4356	87.50	3	90 8 4.43	+6.927	-0.424				30453	716			4356
4357	92.47	3	100 27 35.19	+6.918	-0.455				30469	723			4357
4358	85.55	3	92 52 51.30	+6.905	-0.432				30612			2616	4358
4359	86.11	3	25 12 8.36	+6.846	-0.058	+0.015	2141	197	30474				4359
4360	92.47	3	107 23 27.63	+6.843	-0.478	+0.120							4360
4361	92.48	4	109 53 56.59	+6.820	-0.487	+0.150			30479				4361
4362	92.16	3	103 8 19.02	+6.809	-0.465				30488	738			4362
4363	92.40	3	91 9 27.29	+6.800	-0.428				30508	747			4363
4364	87.51	3	90 8 44.85	+6.793	-0.425								4364
4365	92.38	3	96 46 30.68	+6.754	-0.445								4365

4338, 4355, 4359, are respectively 3590, 3595, 3598 of the Radcliffe Catalogue, 1845.
 4334, 4344, 4351, 4355, are respectively 1593, 1596, 1598, 1600 of the Radcliffe Catalogue, 1860.
 4326, 4335, 4360, 4361. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
4366	Ophiuchi	7	2	90°14	3	16 41 32.461	+ 3.6419	+ 0.0120		4366
4367	Ophiuchi	7-8	2	86.48	3	16 42 10.382	+ 3.4370	+ 0.0093	- 0.0140	4367
4368	Ophiuchi	6	2	81.50	2	16 42 12.101	+ 3.4035	+ 0.0090		4368
4369	Ophiuchi	8	2	85.38	3	16 43 0.195	+ 3.2664	+ 0.0075		4369
4370	Ophiuchi	7-8	2	88.76	3	16 43 1.257	+ 3.5737	+ 0.0109		4370
4371	26 Scorpii	3*	...	83.85	3	16 43 2.176	+ 3.9268	+ 0.0159	- 0.0501	4371
4372	18 Ophiuchi	7	3	83.83	3	16 43 2.470	+ 3.6463	+ 0.0118	- 0.0012	4372
4373	Ophiuchi	7	3	85.52	3	16 43 2.542	+ 3.1678	+ 0.0067		4373
4374	Ophiuchi	7-6	2	84.23	4	16 43 10.557	+ 3.4220	+ 0.0090		4374
4375	20 Ophiuchi	5	1	83.46	3	16 43 44.793	+ 3.3087	+ 0.0080	+ 0.0046	4375
4376	Ophiuchi	7	...	88.81	3	16 43 57.120	+ 3.3456	+ 0.0083		4376
4377	Ophiuchi	7	2	82.49	4	16 44 36.111	+ 3.4438	+ 0.0092		4377
4378	Ophiuchi	7-6	4	85.66	5	16 44 37.918	+ 3.1269	+ 0.0063		4378
4379	Ophiuchi	7-8	...	91.46	3	16 44 43.706	+ 3.5082	+ 0.0099		4379
4380	Ophiuchi	8	2	91.45	3	16 45 25.111	+ 3.6030	+ 0.0110		4380
4381	Ophiuchi	7-8	...	91.41	3	16 45 49.301	+ 3.4030	+ 0.0086		4381
4382	Ophiuchi	7	2	84.50	3	16 46 22.805	+ 3.1304	+ 0.0062		4382
4383	Ophiuchi	7-8	2	85.49	3	16 46 39.997	+ 3.1827	+ 0.0065		4383
4384	Ophiuchi	6-7	2	84.52	3	16 46 55.394	+ 3.5403	+ 0.0102		4384
4385	Ophiuchi	7-6	4	85.52	3	16 47 26.192	+ 3.0680	+ 0.0057	- 0.0470	4385
4386	Ophiuchi	8	1	91.50	3	16 47 29.889	+ 3.2346	+ 0.0069		4386
4387	Ophiuchi	8-7	2	91.81	3	16 47 33.590	+ 3.4803	+ 0.0093		4387
4388	Ophiuchi	7-8	3	85.55	3	16 47 44.370	+ 3.0014	+ 0.0052		4388
4389	Ophiuchi	7-8	2	88.22	3	16 47 48.789	+ 3.0935	+ 0.0059		4389
4390	Ophiuchi	7-8	2	85.88	3	16 47 56.607	+ 3.1644	+ 0.0063		4390
4391	22 Ophiuchi	7-8	1	89.45	3	16 48 11.794	+ 3.6210	+ 0.0108	- 0.0019	4391
4392	Ophiuchi	8-7	2	87.52	3	16 48 23.588	+ 3.2181	+ 0.0068		4392
4393	Ophiuchi	6-7	...	83.43	3	16 48 28.711	+ 3.1042	+ 0.0059		4393
4394	Ophiuchi	7-6	2	85.67	4	16 48 32.857	+ 3.3339	+ 0.0078		4394
4395	Ophiuchi	7-8	3	87.47	3	16 48 38.897	+ 3.1611	+ 0.0063		4395
4396	23 Ophiuchi	6-5	2	84.47	3	16 48 42.873	+ 3.2057	+ 0.0066	- 0.0044	4396
4397	Ophiuchi	7-6	4	83.50	3	16 48 59.089	+ 3.5712	+ 0.0102		4397
4398	Ophiuchi	7-6	3	87.51	3	16 49 13.425	+ 3.2170	+ 0.0067		4398
4399	Ophiuchi	7-6	2	82.78	7	16 49 40.787	+ 3.4531	+ 0.0088		4399
4400	Ophiuchi	8-9	...	91.50	3	16 49 48.034	+ 3.1838	+ 0.0064	- 0.0160	4400
4401	24 Ophiuchi	6-5	2	89.43	3	16 50 9.826	+ 3.6132	+ 0.0105	- 0.0009	4401
4402	Ophiuchi	8	...	91.86	3	16 50 14.125	+ 3.2722	+ 0.0071		4402
4403	Ophiuchi	7-8	3	86.51	3	16 50 36.117	+ 3.5210	+ 0.0095		4403
4404	Ophiuchi	8	...	91.86	3	16 51 18.826	+ 3.3455	+ 0.0077		4404
4405	Ophiuchi	6-7	2	84.53	3	16 51 20.778	+ 3.3159	+ 0.0074		4405
4406	Ophiuchi	7	2	87.58	3	16 51 53.202	+ 3.1360	+ 0.0059		4406
4407	Ophiuchi	7-8	3	87.52	3	16 51 55.482	+ 3.3960	+ 0.0080		4407
4408	Ophiuchi	7-6	3	85.39	3	16 52 26.084	+ 3.4081	+ 0.0081		4408
4409	27 Ophiuchi	3-2	3	87.27	37	16 52 27.696	+ 2.8574	+ 0.0043	- 0.0212	4409
4410	Ophiuchi	8-7	...	91.51	3	16 53 4.437	+ 3.4371	+ 0.0083		4410

4372. A fainter star precedes, and is south.

4394. The N.P.D. of this star in Weisse's Bessel is 2' too small.

4400. Double: the components are both of the 8-9 magnitude. Observed as one mass.

4403. Double: the companion precedes, and is of the 8-9 magnitude.

4410. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
4366	90°14	3	114 19 44.41	+6.732	-0.503			174	30509		9113		4366
4367	86.48	3	106 7 48.06	+6.680	-0.476	+0.290			30534				4367
4368	81.50	2	104 42 46.77	+6.677	-0.471				30536	766			4368
4369	85.38	3	98 44 4.38	+6.611	-0.453				30564	784			4369
4370	88.76	3	111 39 29.17	+6.610	-0.495				30551				4370
4371	83.01	4	124 5 33.60	+6.608	-0.544	+0.271	2132	184			9123	2618	4371
4372	83.76	4	114 26 48.53	+6.608	-0.505	+0.048		185	30549		9124		4372
4373	85.52	3	94 19 6.49	+6.608	-0.439				30568				4373
4374	84.23	4	105 28 29.21	+6.596	-0.474				30563				4374
4375	83.46	3	100 35 15.36	+6.549	-0.459	+0.075	2138	191	30583	797			4375
4376	88.81	3	102 11 31.88	+6.533	-0.464				30591	801			4376
4377	82.48	3	106 21 22.85	+6.479	-0.478			196	30604				4377
4378	85.95	4	92 27 44.42	+6.476	-0.434				30622				4378
4379	91.46	3	108 59 49.96	+6.468	-0.487				30608				4379
4380	91.45	3	112 43 15.38	+6.411	-0.501				30627				4380
4381	91.41	3	104 36 56.39	+6.378	-0.473				30643	842			4381
4382	84.50	3	92 36 43.53	+6.331	-0.436				30670	855			4382
4383	85.49	3	94 57 52.00	+6.308	-0.443				30671	859			4383
4384	84.52	3	110 13 50.93	+6.287	-0.493			214	30666			2627	4384
4385	85.52	3	89 47 50.37	+6.244	-0.428	+1.443			30694	873			4385
4386	91.50	3	97 16 11.07	+6.238	-0.451					870			4386
4387	91.81	3	107 47 36.48	+6.233	-0.485				30681				4387
4388	85.55	3	86 47 45.84	+6.219	-0.419				30706	878			4388
4389	88.22	3	90 56 48.89	+6.212	-0.432				30703	877			4389
4390	85.88	3	94 8 9.72	+6.201	-0.442				30705	879			4390
4391	89.45	3	113 19 51.59	+6.180	-0.505	+0.070	2143	220	30690		9192		4391
4392	87.52	3	96 31 49.99	+6.163	-0.449					886			4392
4393	83.43	3	91 25 43.44	+6.157	-0.433				30728	891			4393
4394	85.67	4	101 36 41.67	+6.151	-0.465				30718	888			4394
4395	87.47	3	93 59 1.56	+6.143	-0.441			226	30732	893			4395
4396	84.47	3	95 58 24.21	+6.137	-0.448	+0.050	2146	227	30733			2630	4396
4397	83.50	3	111 23 26.77	+6.115	-0.499				30725				4397
4398	87.51	3	96 28 17.78	+6.095	-0.450			230	30743	899			4398
4399	82.78	7	106 37 49.01	+6.056	-0.483			232	30750			2634	4399
4400	91.50	3	94 59 22.17	+6.047	-0.445	-0.060				912			4400
4401	89.43	3	112 58 28.85	+6.016	-0.505	0.000	2148	234	30756		9215	2635	4401
4402	91.86	3	98 54 1.58	+6.011	-0.458								4402
4403	86.51	3	109 21 53.14	+5.980	-0.493			236	30773			2639	4403
4404	91.86	3	102 3 45.55	+5.920	-0.469				30801	929			4404
4405	84.53	3	100 47 15.32	+5.917	-0.465				30804	931			4405
4406	87.58	3	92 50 38.90	+5.873	-0.440				30828	946			4406
4407	87.52	3	104 12 3.65	+5.870	-0.476				30816	939			4407
4408	86.43	4	104 41 56.11	+5.827	-0.478			244	30831	949			4408
4409	82.75	8	80 27 11.33	+5.824	-0.401	-0.015	2156	252	30861		9236	2641	4409
4410	91.51	3	105 53 44.28	+5.774	-0.483			250	30849				4410

4371, 4403, 4409, are respectively 1604, 1611, 1612 of the Radcliffe Catalogue, 1860.
 4367, 4400. The Proper Motions have been determined in the formation of the present Catalogue.
 4372 is 3245 of Auwers' "Neue Reduction der Bradley'schen Beobachtungen."
 4385. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A. h. m. s.	Precess. s.	Sec. Var. s.	Proper Motion. s.	No.
4411	Ophiuchi	9-8	3	91°85	3	16 53 56.22	+ 3.3688	+ 0.0078		4411
4412	Ophiuchi	6-7	3	84°85	3	16 53 13.432	+ 3.6676	+ 0.0107	- 0.0014	4412
4413	Ophiuchi	7-6	2	89°52	3	16 53 19.871	+ 3.4905	+ 0.0088	0.0000	4413
4414	26 Ophiuchi	6-7	3	84°85	3	16 53 25.045	+ 3.6649	+ 0.0107	- 0.0035	4414
4415	Ophiuchi	7-8	1	90°49	3	16 53 39.274	+ 3.1065	+ 0.0057		4415
4416	Ophiuchi	7-8	1	90°22	3	16 53 56.239	+ 3.5721	+ 0.0096	- 0.0040	4416
4417	Ophiuchi	7-8	2	85°59	3	16 54 1.000	+ 3.1634	+ 0.0060		4417
4418	Ophiuchi	8	3	91°78	3	16 54 4.287	+ 3.2382	+ 0.0066		4418
4419	Ophiuchi	7-8	4	81°50	3	16 54 44.158	+ 3.5464	+ 0.0093		4419
4420	Scorpii	5*	...	84°19	3	16 54 45.685	+ 3.8736	+ 0.0130		4420
4421	Ophiuchi	7-8	3	85°52	3	16 54 58.801	+ 3.3781	+ 0.0076	- 0.0030	4421
4422	30 Ophiuchi	6	3	84°46	3	16 55 15.507	+ 3.1636	+ 0.0059	- 0.0051	4422
4423	29 Ophiuchi	7-6	3	84°34	6	16 55 25.024	+ 3.5077	+ 0.0088	- 0.0051	4423
4424	19 Draconis	h ¹ 5*	...	90°88	3	16 55 25.383	+ 0.2802	+ 0.0214	+ 0.0357	4424
4425	58 Herculis	ε 3-4	1	86°94	13	16 56 4.876	+ 2.2976	+ 0.0032	- 0.0047	4425
4426	Ophiuchi	8-7	...	86°49	3	16 56 17.453	+ 3.3175	+ 0.0071		4426
4427	Ophiuchi	9-8	3	85°50	3	16 56 18.768	+ 3.5475	+ 0.0091		4427
4428	Ophiuchi	7-8	2	87°48	3	16 56 48.216	+ 3.6474	+ 0.0100		4428
4429	Ophiuchi	7-8	1	91°74	3	16 57 4.138	+ 3.2122	+ 0.0061		4429
4430	22 Ursæ Minoris	ε 4-5*	...	90°58	3	16 57 15.289	- 6.3449	+ 0.3124	+ 0.0090	4430
4431	Ophiuchi	9	1	91°48	3	16 57 15.745	+ 3.2790	+ 0.0067		4431
4432	Ophiuchi	8-7	...	91°85	3	16 57 21.548	+ 3.4346	+ 0.0078		4432
4433	Ophiuchi	7-8	7	82°65	7	16 57 26.717	+ 3.5491	+ 0.0089		4433
4434	Ophiuchi	7-6	4	85°51	3	16 58 3.405	+ 3.0723	+ 0.0052		4434
4435	Ophiuchi	7-8	1	90°20	3	16 58 6.499	+ 3.4746	+ 0.0082	- 0.0020	4435
4436	Ophiuchi	6-7	7	82°15	6	16 58 14.242	+ 3.5502	+ 0.0089		4436
4437	Ophiuchi	7-8	2	90°55	3	16 58 16.844	+ 3.1271	+ 0.0055		4437
4438	Ophiuchi	7	4	85°47	3	16 58 19.974	+ 3.3587	+ 0.0072	- 0.0050	4438
4439	Ophiuchi	7-8	3	86°55	3	16 58 24.019	+ 3.4864	+ 0.0083		4439
4440	Ophiuchi	7	3	85°56	3	16 58 27.631	+ 3.3215	+ 0.0069		4440
4441	Ophiuchi	8-7	1	91°47	3	16 58 33.541	+ 3.2434	+ 0.0063		4441
4442	Ophiuchi	7-8	1	82°51	3	16 58 54.652	+ 3.5914	+ 0.0092		4442
4443	Ophiuchi	7-8	2	87°58	3	16 59 19.665	+ 3.1826	+ 0.0058	- 0.0650	4443
4444	Ophiuchi	8-7	3	87°46	3	16 59 23.797	+ 3.4909	+ 0.0082		4444
4445	Ophiuchi	7-6	3	84°69	4	16 59 37.540	+ 3.5786	+ 0.0091	- 0.0048	4445
4446	Ophiuchi	6	1	82°47	2	16 59 52.126	+ 3.0892	+ 0.0053		4446
4447	Ophiuchi	7-8	1	85°53	3	17 0 16.030	+ 3.3894	+ 0.0072		4447
4448	60 Herculis	5-4	1	87°53	4	17 0 16.621	+ 2.7768	+ 0.0038	+ 0.0030	4448
4449	Ophiuchi	8	...	86°52	3	17 0 59.038	+ 3.5211	+ 0.0083		4449
4450	Ophiuchi	7-6	2	84°51	3	17 1 10.632	+ 3.1065	+ 0.0053		4450
4451	Ophiuchi R	Var.	2	90°85	3	17 1 26.863	+ 3.4421	+ 0.0075		4451
4452	Ophiuchi	7	1	90°19	3	17 1 28.558	+ 3.1339	+ 0.0055	+ 0.0030	4452
4453	Scorpii	6-7	...	80°53	3	17 1 45.871	+ 3.8273	+ 0.0113		4453
4454	Ophiuchi	7-6	3	84°68	5	17 1 51.488	+ 3.4796	+ 0.0079		4454
4455	Ophiuchi	8	2	91°50	3	17 2 16.289	+ 3.6449	+ 0.0093		4455

4422. The R. A. of this star in Weisse's Bessel is 10° too small.

4447. Close double; components of the 8-9 and 9-8 magnitudes; the southern and fainter star precedes very slightly: observed as one mass.

4435. Reddish star.

4437. Reddish star.

4450. A star of the 10 magnitude precedes about 1^s, and is slightly north.

4451. Red star. The limits of magnitude are 7.0 and below 12: the period is 303 days.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
4411	91°85	3	103 1 46.66	+5.771	-0.473				30853.	962			4411
4412	84°85	3	114 55 28.40	+5.761	-0.515	+0.010	2153	248	30843.		9241	2644	4412
4413	89°52	3	108 4 35.23	+5.751	-0.490	+0.220		251	30854.				4413
4414	84°85	3	114 49 13.96	+5.744	-0.515	+0.083	2155	249	30850.		9244	2645	4414
4415	90°49	3	91 31 11.32	+5.725	-0.437					978			4415
4416	90°22	3	111 17 36.34	+5.701	-0.502	+0.120			30869.				4416
4417	85°59	3	94 3 17.95	+5.694	-0.445			256	30885.	981			4417
4418	91°78	3	97 21 53.54	+5.690	-0.455				30884.	980			4418
4419	81°50	4	110 16 21.03	+5.634	-0.499				30891.				4419
4420	84°19	3	121 58 43.69	+5.631	-0.545			255			9253	2647	4420
4421	85°52	3	103 23 38.74	+5.613	-0.475	+0.332		260	30903.				4421
4422	84°46	3	94 3 25.37	+5.589	-0.446	+0.071	2159	263	30924.	1001		2648	4422
4423	84°50	5	108 43 22.93	+5.576	-0.494	-0.004	2158	261	30914.			2649	4423
4424	88°89	3	24 41 49.61	+5.576	-0.042	-0.044	2169	286	31061.			2651	4424
4425	84°19	12	58 54 40.00	+5.521	-0.325	-0.032	2161	272	30996.		9269	2652	4425
4426	86°49	3	100 47 31.51	+5.503	-0.468				30948.	1027			4426
4427	85°50	3	110 16 46.95	+5.501	-0.500								4427
4428	87°48	3	114 4 57.64	+5.460	-0.514				30949.		9275		4428
4429	91°74	3	96 11 38.07	+5.438	-0.453				30980.	1045			4429
4430	83°03	11	7 46 58.09	+5.422	+0.889	+0.003	2201	36				2661	4430
4431	91°48	3	99 6 46.25	+5.421	-0.463					1048			4431
4432	91°85	3	105 42 31.65	+5.412	-0.485				30978.				4432
4433	82°65	7	110 19 1.09	+5.405	-0.501				30976.				4433
4434	85°51	3	89 59 20.31	+5.355	-0.434				31022.	1062			4434
4435	90°20	3	107 20 0.29	+5.349	-0.491	+0.120		274	31005.				4435
4436	82°06	7	110 20 20.54	+5.339	-0.501			273	31006.				4436
4437	90°55	3	92 25 40.48	+5.335	-0.442				31026.	1065			4437
4438	85°47	3	102 31 8.15	+5.331	-0.475	+0.100			31015.	1061			4438
4439	86°55	3	107 48 9.06	+5.325	-0.493				31011.				4439
4440	85°56	3	100 56 0.09	+5.320	-0.469			277	31023.	1064	9294		4440
4441	91°47	3	97 33 0.30	+5.311	-0.458				31027.	1067			4441
4442	82°51	3	111 55 9.16	+5.282	-0.508								4442
4443	87°58	3	94 52 44.73	+5.246	-0.450	+1.120			31055.	1080			4443
4444	87°46	3	107 57 49.88	+5.241	-0.494				31042.				4444
4445	84°75	3	111 24 38.97	+5.221	-0.506	+0.098	2162	281	31046.		9306		4445
4446	82°47	3	90 44 25.02	+5.201	-0.437			289	31070.	1091		2665	4446
4447	85°53	3	103 47 1.28	+5.168	-0.480				31068.				4447
4448	86°50	8	77 6 26.73	+5.166	-0.394	+0.002	2167	293		1109			4448
4449	86°52	3	109 8 21.02	+5.107	-0.499				31083.			2668	4449
4450	84°51	3	91 30 25.87	+5.090	-0.440				31109.	1125			4450
4451	90°85	3	105 56 43.74	+5.067	-0.488				31123.				4451
4452	90°19	3	92 43 1.99	+5.065	-0.444	+0.150					9322		4452
4453	80°53	3	120 15 21.98	+5.041	-0.543			297	31111.			2672	4453
4454	84°68	5	107 27 44.82	+5.034	-0.493				31126.				4454
4455	91°50	3	113 50 55.31	+4.998	-0.517								4455

4411, 4424, 4425, 4430, are respectively 3628, 3639, 3634, 3660 of the Radcliffe Catalogue, 1845.
 4411, 4412, 4414, 4421, 4424, 4425, 4430, 4451, are respectively 1614, 1613, 1615, 1616, 1619, 1618, 1627, 1626 of the Radcliffe Catalogue, 1860.
 4413, 4416, 4435, 4438, 4443, 4452. The Proper Motions have been determined in the formation of the present Catalogue.
 4421. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
4456	Ophiuchi	7-8	2	91°36	3	17	2	17.169	+ 3.3451	+ 0.0068		4456
4457	Ophiuchi	6-7	2	84°45	3	17	2	33.175	+ 3.0936	+ 0.0051		4457
4458	Ophiuchi	8-7	4	85°53	3	17	2	39.956	+ 3.4625	+ 0.0076		4458
4459	Ophiuchi	8	2	91°85	3	17	2	58.571	+ 3.1870	+ 0.0056		4459
4460	Ophiuchi	6-7	2	84°56	3	17	3	7.289	+ 3.1571	+ 0.0054	- 0.0050	4460
4461	Ophiuchi	6	3	84°49	3	17	3	42.943	+ 3.3100	+ 0.0064		4461
4462	Ophiuchi	7	2	85°90	3	17	3	46.364	+ 3.5265	+ 0.0080		4462
4463	Ophiuchi	8	1	92°12	3	17	4	0.764	+ 3.2636	+ 0.0060	0.0000	4463
4464	35 Ophiuchi η	2-3	2	86°91	54	17	4	4.093	+ 3.4344	+ 0.0072	+ 0.0003	4464
4465	Ophiuchi	7	3	85°54	3	17	4	32.569	+ 3.5581	+ 0.0082	- 0.0010	4465
4466	Ophiuchi	7-6	3	84°51	3	17	4	33.421	+ 3.3617	+ 0.0067	- 0.0040	4466
4467	Ophiuchi	7-8	3	87°47	3	17	4	40.965	+ 3.4569	+ 0.0074		4467
4468	Ophiuchi	7-8	3	90°18	3	17	4	50.668	+ 3.5524	+ 0.0081		4468
4469	Ophiuchi	8-9	...	92°09	3	17	5	28.357	+ 3.2204	+ 0.0056		4469
4470	Serpentis	7-8	3	85°54	3	17	5	43.404	+ 3.4082	+ 0.0069		4470
4471	Ophiuchi	8	1	92°06	3	17	5	44.853	+ 3.6186	+ 0.0086		4471
4472	Ophiuchi	8-7	2	87°58	3	17	6	2.311	+ 3.1455	+ 0.0052		4472
4473	Ophiuchi	7-8	1	89°51	3	17	6	4.478	+ 3.5839	+ 0.0083		4473
4474	Serpentis	9	2	91°87	3	17	6	13.172	+ 3.3365	+ 0.0064		4474
4475	Ophiuchi	8-7	...	89°20	3	17	6	42.547	+ 3.0870	+ 0.0049		4475
4476	Ophiuchi	7	2	81°97	4	17	7	18.891	+ 3.4317	+ 0.0069		4476
4477	Ophiuchi	8-7	4	86°20	4	17	7	35.994	+ 3.2823	+ 0.0059		4477
4478	Ophiuchi	8	2	91°66	3	17	7	58.585	+ 3.4791	+ 0.0072		4478
4479	Ophiuchi	8	2	91°50	3	17	8	20.245	+ 3.5686	+ 0.0079		4479
4480	22 Draconis ζ	3*	...	89°79	3	17	8	27.804	+ 0.1659	+ 0.0192	- 0.0027	4480
4481	36 Ophiuchi A^1	6	...	85°21	3	17	8	34.880	+ 3.7206	+ 0.0091	- 0.0386	4481
4482	Ophiuchi	7-8	1	90°17	3	17	8	34.905	+ 3.1644	+ 0.0051		4482
4483	36 Ophiuchi A^2	6	...	85°21	3	17	8	34.964	+ 3.7206	+ 0.0091	- 0.0386	4483
4484	Serpentis	6-7	2	83°80	3	17	9	4.897	+ 3.4087	+ 0.0066		4484
4485	Ophiuchi	7-8	1	90°50	3	17	9	14.231	+ 3.1266	+ 0.0050		4485
4486	64 Herculis α^1	Var.	2	86°41	30	17	9	37.866	+ 2.7347	+ 0.0035	- 0.0019	4486
4487	Ophiuchi	7	3	84°18	3	17	9	38.119	+ 3.2951	+ 0.0058		4487
4488	64 Herculis α^2	7	1	81°50	2	17	9	38.239	+ 2.7347	+ 0.0035	- 0.0019	4488
4489	Ophiuchi	7-8	3	90°53	3	17	9	48.677	+ 3.5926	+ 0.0079	- 0.0050	4489
4490	Ophiuchi	7	1	90°51	3	17	9	58.784	+ 3.4247	+ 0.0065		4490
4491	Ophiuchi	8	2	91°85	3	17	10	0.201	+ 3.5274	+ 0.0074		4491
4492	Ophiuchi	7-8	...	91°85	3	17	10	19.655	+ 3.4915	+ 0.0070	0.0000	4492
4493	Ophiuchi	7-8	1	90°22	3	17	10	48.659	+ 3.3736	+ 0.0061		4493
4494	Ophiuchi	6-7	3	85°50	3	17	10	49.116	+ 3.2126	+ 0.0052		4494
4495	41 Ophiuchi	5	2	84°44	3	17	10	57.799	+ 3.0798	+ 0.0046	- 0.0041	4495
4496	67 Herculis π	3-4*	...	89°61	3	17	11	12.856	+ 2.0902	+ 0.0033	- 0.0035	4496
4497	Ophiuchi	8-7	2	84°51	2	17	11	17.963	+ 3.6588	+ 0.0082	- 0.0061	4497
4498	39 Ophiuchi	6-7	2	85°69	5	17	11	17.984	+ 3.6589	+ 0.0082	- 0.0061	4498
4499	Ophiuchi	7	2	85°53	3	17	11	23.925	+ 3.6530	+ 0.0081	+ 0.0060	4499
4500	Ophiuchi	8-7	...	91°87	3	17	11	25.410	+ 3.2503	+ 0.0054		4500

4469. Reddish-yellow star.

4486. Reddish star. The limits of magnitude are 3.1 and 3.9 : the period is irregular.

4496. Reddish star.

4498. Reddish-yellow star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
4456	91°36	3	101 53 18.75	+4.997	-0.475			299	31138	1139			4456
4457	84°45	3	90 56 0.53	+4.974	-0.439			303	31163	1150		2676	4457
4458	85°53	3	106 45 28.61	+4.964	-0.491				31143				4458
4459	91°85	3	95 2 56.44	+4.938	-0.453				31168	1158			4459
4460	84°56	3	93 44 7.08	+4.926	-0.448	+0.170			31171	1161			4460
4461	84°49	3	100 22 43.17	+4.875	-0.470				31188	3		2680	4461
4462	85°90	3	109 17 45.21	+4.871	-0.501			305	31176				4462
4463	92°12	3	98 22 54.38	+4.850	-0.464	+0.100			31196	8			4463
4464	83°49	14	105 35 16.14	+4.846	-0.488	-0.097	2171	306	31191		9344	2681	4464
4465	85°54	3	110 30 43.34	+4.805	-0.506	+0.150		309	31199				4465
4466	84°51	3	102 33 40.87	+4.805	-0.478	+0.120			31210	13			4466
4467	87°47	3	106 29 41.06	+4.793	-0.492				31209				4467
4468	90°18	3	110 17 11.71	+4.779	-0.505				31212				4468
4469	92°09	3	96 29 40.33	+4.727	-0.458								4469
4470	85°54	3	104 29 0.93	+4.705	-0.485				31253	40			4470
4471	92°06	3	112 47 23.50	+4.703	-0.515				31247				4471
4472	87°58	3	93 12 45.56	+4.679	-0.448				31265				4472
4473	89°51	3	111 28 17.71	+4.674	-0.510				31255				4473
4474	91°87	3	101 28 35.19	+4.663	-0.475					48			4474
4475	89°20	3	90 38 17.88	+4.620	-0.440				31287	64			4475
4476	81°97	4	105 25 41.95	+4.569	-0.489				31289	72			4476
4477	86°20	4	99 9 7.64	+4.545	-0.468				31296	83			4477
4478	91°66	3	107 20 9.42	+4.512	-0.496				31299				4478
4479	91°50	3	110 50 26.09	+4.482	-0.509			14	31307				4479
4480	83°89	9	24 8 59.68	+4.471	-0.026	-0.022	2193	42	31445			2695	4480
4481	84°04	4	116 26 26.53	+4.461	-0.531	+1.138	2176	17	31311		9382	2692	4481
4482	90°17	3	94 1 58.18	+4.461	-0.452				31325	98			4482
4483	84°73	5	116 26 22.07	+4.461	-0.531	+1.138	2176	17	31311		9383	2694	4483
4484	83°72	4	104 27 24.85	+4.419	-0.487								4484
4485	90°50	3	92 22 36.42	+4.406	-0.447				31340	108			4485
4486	81°38	7	75 29 0.79	+4.372	-0.391	-0.030	2183	29	31365	125	9396	2697	4486
4487	84°18	3	99 40 56.97	+4.372	-0.471					113			4487
4488	81°51	4	75 29 3.17	+4.372	-0.391	-0.030				126		2698	4488
4489	90°53	3	111 43 42.65	+4.356	-0.513	+0.180			31337				4489
4490	90°51	3	105 5 58.77	+4.342	-0.490					114			4490
4491	91°85	3	109 12 47.09	+4.340	-0.504				31344				4491
4492	91°85	3	107 47 24.97	+4.312	-0.499	+0.090			31356				4492
4493	90°22	3	102 58 43.76	+4.271	-0.483					133			4493
4494	85°50	3	96 7 18.23	+4.271	-0.460					137			4494
4495	84°44	3	90 19 13.36	+4.258	-0.441	+0.064	2184	34	31391	142		2701	4495
4496	83°39	6	53 3 59.20	+4.236	-0.300	-0.005	2187	39	31439			2704	4496
4497	84°51	2	114 9 48.24	+4.229	-0.523	+0.017		31	31371		9418	2702	4497
4498	85°69	5	114 9 58.55	+4.229	-0.523	+0.017	2181	32	31372		9419	2703	4498
4499	85°53	3	113 57 2.36	+4.221	-0.523	+0.120	2182	33	31376		9424		4499
4500	91°87	3	97 44 53.36	+4.219	-0.465					151			4500

4461, 4464, 4480, 4483, 4486, are respectively 3658, 3659, 3683, 3673, 3679 of the Radcliffe Catalogue, 1845.
 4464, 4480, 4481, 4483, 4486, 4488, 4499, are respectively 1628, 1641, 1635, 1636, 1639, 1640, 1644 of the Radcliffe Catalogue, 1860.
 4460, 4463, 4465, 4466, 4489, 4492. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A. h. m. s.	Precess. s.	Sec. Var. s.	Proper Motion. s.	No.
4501	Serpentis	8	1	90°83	4	17 11 42.368	+ 3.3550	+ 0.0061		4501
4502	Ophiuchi	6-7	10	84°52	3	17 11 59.006	+ 3.4522	+ 0.0066		4502
4503	Serpentis	8-7	1	91°51	3	17 12 36.398	+ 3.3056	+ 0.0057		4503
4504	Ophiuchi	8	3	91°82	3	17 12 58.255	+ 3.1044	+ 0.0047		4504
4505	Ophiuchi	7-6	3	85°09	4	17 13 6.251	+ 3.1340	+ 0.0048	- 0.0110	4505
4506	68 Herculis <i>u</i>	Var.	...	88°61	3	17 13 15.766	+ 2.2152	+ 0.0030	- 0.0039	4506
4507	Ophiuchi	6-7	6	82°67	5	17 13 29.085	+ 3.4889	+ 0.0067		4507
4508	Ophiuchi	7-8	3	86°54	3	17 13 36.424	+ 3.1327	+ 0.0048		4508
4509	Ophiuchi	8-7	1	89°50	3	17 14 1.927	+ 3.1626	+ 0.0047		4509
4510	Ophiuchi	6	1	84°55	3	17 14 6.243	+ 3.2055	+ 0.0050	+ 0.0050	4510
4511	Ophiuchi	7-6	3	85°58	3	17 14 6.695	+ 3.5291	+ 0.0069	- 0.0100	4511
4512	40 Ophiuchi ξ	5	1	81°88	3	17 14 24.499	+ 3.5754	+ 0.0072	+ 0.0165	4512
4513	53 Serpentis <i>v</i>	5-4*	...	84°46	3	17 14 38.328	+ 3.3687	+ 0.0059	+ 0.0005	4513
4514	Serpentis	7-6	3	85°45	3	17 14 46.920	+ 3.3174	+ 0.0056		4514
4515	Ophiuchi	9-8	3	91°52	3	17 14 47.396	+ 3.2784	+ 0.0054		4515
4516	Ophiuchi	7-6	6	83°79	4	17 14 56.566	+ 3.6781	+ 0.0078	- 0.0071	4516
4517	42 Ophiuchi θ	4-3	3	86°77	31	17 15 15.151	+ 3.6809	+ 0.0078	- 0.0024	4517
4518	Serpentis	9-8	3	91°52	3	17 16 12.356	+ 3.3976	+ 0.0059		4518
4519	Ophiuchi	8-7	5	85°13	5	17 16 23.929	+ 3.6844	+ 0.0077		4519
4520	43 Ophiuchi	6	...	82°86	3	17 16 26.100	+ 3.7715	+ 0.0084	- 0.0018	4520
4521	Ophiuchi	8-7	2	85°53	3	17 16 33.629	+ 3.6272	+ 0.0072		4521
4522	Ophiuchi	8-7	2	87°57	3	17 17 4.316	+ 3.0905	+ 0.0044		4522
4523	Ophiuchi	7-6	2	84°52	3	17 17 6.932	+ 3.1248	+ 0.0045		4523
4524	Ophiuchi	7	...	85°32	3	17 17 8.038	+ 3.2337	+ 0.0049		4524
4525	Ophiuchi	7-6	3	84°84	3	17 17 16.462	+ 3.4475	+ 0.0061		4525
4526	Ophiuchi	7-8	2	87°51	3	17 17 21.475	+ 3.6503	+ 0.0073		4526
4527	Ophiuchi	7-8	1	90°16	3	17 17 41.281	+ 3.1418	+ 0.0045		4527
4528	Ophiuchi	8-7	1	89°87	3	17 17 56.135	+ 3.2867	+ 0.0051		4528
4529	Ophiuchi	7-6	2	84°59	3	17 18 7.229	+ 3.5860	+ 0.0069		4529
4530	Ophiuchi	7-6	3	84°48	3	17 18 10.433	+ 3.5084	+ 0.0064		4530
4531	Ophiuchi	7	3	85°57	3	17 18 22.621	+ 3.6618	+ 0.0073	- 0.0002	4531
4532	Ophiuchi	7-8	3	85°55	3	17 19 25.956	+ 3.2745	+ 0.0050		4532
4533	44 Ophiuchi <i>b</i>	5*	...	81°19	4	17 19 38.998	+ 3.6605	+ 0.0071	- 0.0028	4533
4534	75 Herculis ρ	4-5	...	90°25	3	17 19 53.267	+ 2.0716	+ 0.0031	- 0.0061	4534
4535	Ophiuchi	7	...	86°53	3	17 20 4.662	+ 3.2221	+ 0.0046		4535
4536	Ophiuchi	7-8	3	88°77	4	17 20 7.310	+ 3.5877	+ 0.0067		4536
4537	Serpentis	8	3	91°70	3	17 20 11.316	+ 3.3260	+ 0.0052		4537
4538	Ophiuchi	7-6	2	84°50	3	17 20 15.233	+ 3.1083	+ 0.0042		4538
4539	45 Ophiuchi <i>d</i>	5*	...	82°85	3	17 20 19.683	+ 3.8256	+ 0.0082	- 0.0030	4539
4540	Serpentis	8-9	2	91°56	3	17 20 27.798	+ 3.4262	+ 0.0056		4540
4541	Ophiuchi	5-4*	...	84°60	3	17 20 47.618	+ 3.1875	+ 0.0044		4541
4542	Ophiuchi	8-9	2	92°10	3	17 20 50.582	+ 3.5630	+ 0.0064		4542
4543	Serpentis	7-6	3	85°91	3	17 20 50.763	+ 3.4442	+ 0.0057		4543
4544	Serpentis	7-6	2	87°54	3	17 20 51.562	+ 3.3625	+ 0.0053	+ 0.0002	4544
4545	Ophiuchi	8-7	2	87°59	4	17 20 59.324	+ 3.0933	+ 0.0042		4545

4502. Reddish star.

4504. A star of the 9 magnitude, Arg. Z - 1°, 3311, precedes.

4506. The limits of magnitude are 4.6 and 5.4: the period is irregular.

4507. Very close double: components of the 6-7 and 7-8 magnitudes.

4509. The N.P.D. of this star in Weisse's Bessel is 3' too small.

4503. The N.P.D. of this star in Weisse's Bessel is 3' too small.

Observed as one mass.

4534. Close double: the brighter star observed.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4501	90°83	4	102 11 34·96	+ 4·195	- 0·480				31403	155			4501
4502	84°52	3	106 11 35·14	+ 4·171	- 0·494				31408				4502
4503	91°51	3	100 6 4·12	+ 4·118	- 0·474				31426	174			4503
4504	91°82	3	91 23 38·70	+ 4·086	- 0·445				31450				4504
4505	85°09	4	92 41 29·72	+ 4·075	- 0·449	+ 0·070		45	31452	187		2708	4505
4506	86°72	6	56 46 51·15	+ 4·061	- 0·318	- 0·008	2194	56	31505			2710	4506
4507	82°67	5	107 38 25·48	+ 4·042	- 0·500			43	31447			2711	4507
4508	86°54	3	92 37 58·82	+ 4·032	- 0·449			46	31463	195			4508
4509	89°50	3	93 56 2·33	+ 3·995	- 0·454				31486	201			4509
4510	84°55	3	95 47 51·04	+ 3·989	- 0·460	+ 0·160			31485	202			4510
4511	85°58	3	109 12 57·43	+ 3·988	- 0·506	+ 0·170			31462				4511
4512	81°88	3	110 59 37·82	+ 3·964	- 0·513	+ 0·201	2186	47	31464			2715	4512
4513	84°46	3	102 44 4·39	+ 3·944	- 0·483	- 0·033	2190	52	31490	210			4513
4514	85°45	3	100 35 0·28	+ 3·931	- 0·476				31500	215			4514
4515	91°52	3	98 55 29·07	+ 3·931	- 0·471					216			4515
4516	83°79	4	114 47 39·11	+ 3·916	- 0·528	+ 0·039	2188	51	31487		9445		4516
4517	82°58	9	114 53 19·55	+ 3·891	- 0·528	+ 0·035	2189	53	31495		9452	2719	4517
4518	91°52	3	103 54 40·15	+ 3·809	- 0·488								4518
4519	85°56	4	114 59 25·99	+ 3·792	- 0·529			62	31540		9463		4519
4520	82°28	4	118 2 6·19	+ 3·789	- 0·542	+ 0·031	2192	60	31533		9464	2723	4520
4521	85°53	3	112 54 8·34	+ 3·778	- 0·521				31556				4521
4522	87°57	3	90 47 4·44	+ 3·735	- 0·444				31597	264			4522
4523	84°52	3	92 16 42·26	+ 3·730	- 0·449				31596	265			4523
4524	85°32	3	96 59 49·41	+ 3·729	- 0·465				31592	262			4524
4525	84°84	3	105 55 58·19	+ 3·717	- 0·496				31585				4525
4526	87°51	3	113 44 21·33	+ 3·710	- 0·525			70	31576		9472		4526
4527	90°16	3	93 1 0·39	+ 3·682	- 0·452				31612	273			4527
4528	89°87	3	99 15 14·58	+ 3·660	- 0·473			79		275			4528
4529	84°59	3	111 20 17·10	+ 3·644	- 0·516			76	31606			2725	4529
4530	84°48	3	108 20 34·17	+ 3·640	- 0·505				31611				4530
4531	85°57	3	114 8 31·31	+ 3·621	- 0·527	- 0·004	2196	77	31609		9483		4531
4532	85°55	3	98 43 43·06	+ 3·531	- 0·472				31669	303			4532
4533	81°19	4	114 4 22·97	+ 3·512	- 0·527	+ 0·120	2198	83	31661		9503	2728	4533
4534	84°50	7	52 45 8·53	+ 3·492	- 0·299	- 0·016	2207	105	31744			2734	4534
4535	86°53	3	96 28 57·52	+ 3·476	- 0·464				31699	312			4535
4536	89°54	5	111 22 16·40	+ 3·472	- 0·517			88	31680				4536
4537	91°70	3	100 53 42·56	+ 3·466	- 0·479				31696	311			4537
4538	84°50	3	91 33 18·76	+ 3·461	- 0·448				31737	319			4538
4539	82°85	3	119 45 57·79	+ 3·454	- 0·551	+ 0·147	2200	86			9508	2735	4539
4540	91°56	3	105 1 55·61	+ 3·442	- 0·494			91		314			4540
4541	84°60	3	94 59 20·12	+ 3·413	- 0·460			99	31727	329	9512	2737	4541
4542	92°10	3	110 25 14·74	+ 3·409	- 0·514								4542
4543	86°09	4	105 45 26·08	+ 3·409	- 0·497				31712				4543
4544	87°54	3	102 24 52·41	+ 3·407	- 0·485	+ 0·037	2202	98	31721			2738	4544
4545	87°59	4	90 54 17·12	+ 3·397	- 0·446					336			4545

4512, 4517, 4533, are respectively 3690, 3691, 3701 of the Radcliffe Catalogue, 1845.
 4512, 4516, 4517, 4519, 4533, 4534, 4539, are respectively 1645, 1648, 1650, 1651, 1656, 1662, 1658 of the Radcliffe Catalogue, 1860.
 4505, 4510, 4511. The Proper Motions have been determined in the formation of the present Catalogue.
 4538. Lalande's R.A. is 1^m too great.
 4544. This star is Flamsteed's 47 Ophiuchi.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
4546	49 Ophiuchi σ	5-4	2	87.18	30	17 21 3.392	+ 2.9749	+ 0.0037	- 0.0017	4546
4547	Ophiuchi	8-9	1	91.88	3	17 21 58.021	+ 3.1423	+ 0.0042		4547
4548	Ophiuchi	9	1	92.23	3	17 22 3.153	+ 3.6184	+ 0.0065		4548
4549	Ophiuchi	6-7	2	83.44	3	17 22 4.016	+ 3.2604	+ 0.0047		4549
4550	Serpentis	8-7	2	91.90	3	17 22 52.673	+ 3.4012	+ 0.0052		4550
4551	Ophiuchi	8-7	...	92.15	3	17 23 12.889	+ 3.3029	+ 0.0048		4551
4552	Ophiuchi	7-8	2	91.91	3	17 23 14.081	+ 3.5369	+ 0.0059		4552
4553	Ophiuchi	8-7	1	91.51	3	17 23 33.830	+ 3.4944	+ 0.0056		4553
4554	Ophiuchi	7-6	4	82.01	4	17 23 54.479	+ 3.2073	+ 0.0043		4554
4555	Serpentis	7-8	5	85.58	3	17 24 9.773	+ 3.4399	+ 0.0053		4555
4556	Ophiuchi	10-9	3	86.54	3	17 24 28.134	+ 3.5901	+ 0.0061		4556
4557	Ophiuchi	7-6	3	84.05	4	17 24 30.877	+ 3.1714	+ 0.0042		4557
4558	51 Ophiuchi c^2	5*	...	82.76	8	17 24 42.119	+ 3.6573	+ 0.0064	- 0.0023	4558
4559	Ophiuchi	6-5	2	84.06	3	17 24 44.024	+ 3.0949	+ 0.0040	- 0.0084	4559
4560	Serpentis	7-8	3	85.54	3	17 25 11.306	+ 3.3266	+ 0.0047		4560
4561	Ophiuchi	7-8	3	85.51	3	17 25 17.172	+ 3.1358	+ 0.0040		4561
4562	Ophiuchi	7	2	87.57	3	17 26 19.643	+ 3.0696	+ 0.0038		4562
4563	Ophiuchi	7-8	3	87.52	3	17 26 34.966	+ 3.4874	+ 0.0053		4563
4564	Serpentis	7-8	2	87.54	3	17 26 37.867	+ 3.3876	+ 0.0048		4564
4565	Ophiuchi	8-7	2	91.35	3	17 27 22.541	+ 3.6329	+ 0.0059		4565
4566	Ophiuchi	6-5	1	82.06	4	17 27 37.544	+ 3.2037	+ 0.0040		4566
4567	Ophiuchi	8	2	91.86	3	17 27 48.701	+ 3.2548	+ 0.0042		4567
4568	23 Draconis β	3-2*	...	83.65	3	17 27 56.821	+ 1.3546	+ 0.0050	- 0.0020	4568
4569	Ophiuchi	7-8	3	85.50	3	17 28 7.435	+ 3.5064	+ 0.0052		4569
4570	Ophiuchi	7-8	4	85.56	3	17 28 22.981	+ 3.1414	+ 0.0038		4570
4571	Serpentis	6	1	84.48	3	17 28 39.296	+ 3.3339	+ 0.0045		4571
4572	52 Ophiuchi	7	3	84.51	3	17 28 41.308	+ 3.6067	+ 0.0055	- 0.0028	4572
4573	Ophiuchi	8	3	91.89	3	17 28 49.594	+ 3.6776	+ 0.0059		4573
4574	Serpentis	7	3	83.46	3	17 28 54.147	+ 3.3920	+ 0.0046		4574
4575	Serpentis	8-7	1	91.56	3	17 29 6.733	+ 3.3607	+ 0.0046		4575
4576	Ophiuchi	8-7	2	85.90	3	17 29 10.620	+ 3.1079	+ 0.0037		4576
4577	Ophiuchi	8-7	3	87.58	3	17 29 45.917	+ 3.1378	+ 0.0038		4577
4578	Ophiuchi	7-8	3	85.55	3	17 29 48.572	+ 3.4977	+ 0.0050		4578
4579	Ophiuchi	7	2	85.29	4	17 29 48.916	+ 3.2129	+ 0.0039		4579
4580	55 Ophiuchi α	2-3	2	86.44	34	17 29 49.700	+ 2.7753	+ 0.0030	+ 0.0066	4580
4581	Ophiuchi	8	2	92.19	3	17 30 4.784	+ 3.1678	+ 0.0038		4581
4582	Ophiuchi	8	2	92.87	3	17 30 12.243	+ 3.5783	+ 0.0053		4582
4583	Ophiuchi	7-8	2	89.48	4	17 30 34.059	+ 3.5270	+ 0.0050		4583
4584	Ophiuchi	8-9	2	91.91	3	17 30 39.256	+ 3.3006	+ 0.0042		4584
4585	55 Serpentis ξ	4	2	84.53	3	17 31 17.233	+ 3.4361	+ 0.0045	- 0.0050	4585
4586	Serpentis	7-6	4	81.98	4	17 31 17.531	+ 3.4404	+ 0.0045		4586
4587	Ophiuchi	7-8	4	87.51	3	17 31 25.409	+ 3.2582	+ 0.0040		4587
4588	Ophiuchi	7-8	4	85.52	3	17 31 35.162	+ 3.1376	+ 0.0037		4588
4589	57 Ophiuchi μ	5	1	84.62	3	17 31 51.847	+ 3.2602	+ 0.0039	- 0.0031	4589
4590	Ophiuchi	7-8	2	91.71	3	17 32 0.155	+ 3.2818	+ 0.0040		4590

4551. Very close double: components of the 8 and 8-9 magnitudes. Observed as one mass.

4552. Very red star.

4556. This is the brightest star near the recorded place of Kepler's *Nova*.

4579. A star of the 9-8 magnitude follows 12^s, and is about 0.4 south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
4546	82°43	12	85 45 47·85	+3·392	—0·429	—0·015	2206	103			9517	2740	4546
4547	91°88	3	93 1 53·90	+3·313	—0·453				31763	352			4547
4548	92°23	3	112 29 20·49	+3·305	—0·522								4548
4549	83°44	3	98 6 39·12	+3·304	—0·470				31758	351		2741	4549
4550	91°90	3	103 59 23·01	+3·233	—0·491					360			4550
4551	92°15	3	99 54 2·57	+3·205	—0·477			110		370			4551
4552	91°91	3	109 23 2·62	+3·203	—0·511								4552
4553	91°51	3	107 43 25·47	+3·174	—0·505				31791				4553
4554	82°01	4	95 49 44·07	+3·146	—0·463				31816	387			4554
4555	85°58	3	105 32 53·97	+3·123	—0·497			114	31811				4555
4556	86°54	3	111 23 55·51	+3·097	—0·519								4556
4557	84°05	4	94 16 55·85	+3·092	—0·458				31849	406			4557
4558	82°52	9	113 52 34·95	+3·076	—0·528	+0·012	2209	115	31824		9544	2747	4558
4559	84°06	3	90 58 14·89	+3·074	—0·447	+0·136						2749	4559
4560	85°54	3	100 53 4·79	+3·035	—0·481				31865	420			4560
4561	85°51	3	92 44 29·52	+3·026	—0·453				31873	429			4561
4562	87°57	3	89 52 29·29	+2·935	—0·444				31900	446			4562
4563	87°52	3	107 24 56·96	+2·914	—0·505			128	31901				4563
4564	87°54	3	103 24 4·00	+2·909	—0·490				31913				4564
4565	91°35	3	112 57 3·79	+2·844	—0·526			134	31922				4565
4566	82°06	4	95 39 47·11	+2·823	—0·464				31952	470		2757	4566
4567	91°86	3	97 50 21·42	+2·807	—0·471				31956	475			4567
4568	83°65	3	37 37 0·52	+2·795	—0·197	—0·004	2221	155	32053			2759	4568
4569	85°50	3	108 8 38·07	+2·781	—0·508				31954				4569
4570	85°56	3	92 58 40·87	+2·758	—0·455				31978	489			4570
4571	84°48	3	101 9 59·70	+2·735	—0·483				31975	493		2760	4571
4572	84°51	3	111 58 7·82	+2·732	—0·522	+0·042	2212	140	31966				4572
4573	91°89	3	114 33 6·25	+2·719	—0·533			142	31968				4573
4574	83°46	3	103 33 44·09	+2·713	—0·491								4574
4575	91°56	3	102 16 23·99	+2·694	—0·487								4575
4576	85°90	3	91 31 48·89	+2·689	—0·450				32006	505			4576
4577	87°58	3	92 49 7·48	+2·638	—0·455				32024				4577
4578	85°55	3	107 47 19·85	+2·633	—0·507				32010				4578
4579	85°29	4	96 2 55·96	+2·633	—0·466				32022	520			4579
4580	84°46	12	77 21 33·13	+2·632	—0·402	+0·217	2218	153	32049	532	9591	2766	4580
4581	92°19	3	94 6 44·18	+2·610	—0·459					526			4581
4582	92°87	3	110 53 6·73	+2·600	—0·519				32018				4582
4583	89°13	3	108 55 12·85	+2·568	—0·511				32035				4583
4584	92°08	4	99 45 42·05	+2·561	—0·479					540			4584
4585	84°53	3	105 19 43·09	+2·506	—0·498	+0·047	2217	157		549	9601		4585
4586	81°98	4	105 30 10·50	+2·505	—0·499			156	32069				4586
4587	87°51	3	97 58 4·38	+2·494	—0·473				32070	558			4587
4588	85°52	3	92 48 29·05	+2·480	—0·455				32120	561			4588
4589	84°62	3	98 3 3·92	+2·455	—0·473	+0·006	2220	161	32088	565		2771	4589
4590	91°71	3	98 57 42·43	+2·444	—0·476					567			4590

4568, 4580, are respectively 3718, 3720 of the Radcliffe Catalogue, 1845.
 4568, 4580, are respectively 1666, 1667 of the Radcliffe Catalogue, 1860.
 4559. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
4591	Serpentis	7-6	2	84.55	3	17	32	3.326	+ 3.3271	+ 0.0042		4591
4592	Ophiuchi	7-6	1	84.98	4	17	32	8.179	+ 3.6045	+ 0.0052	- 0.0042	4592
4593	27 Draconis <i>f</i>	5-6	2	82.66	5	17	32	24.076	- 0.2464	+ 0.0152	- 0.0070	4593
4594	Serpentis	8-9	2	91.92	3	17	32	41.337	+ 3.4880	+ 0.0047		4594
4595	Serpentis	7-8	...	91.88	3	17	33	16.473	+ 3.3934	+ 0.0042		4595
4596	Serpentis	8-7	6	86.50	4	17	33	46.122	+ 3.3404	+ 0.0040		4596
4597	Ophiuchi	8-9	...	92.12	3	17	33	53.574	+ 3.2219	+ 0.0037		4597
4598	Ophiuchi	6-7	2	82.16	3	17	34	18.112	+ 3.0859	+ 0.0033		4598
4599	Ophiuchi	7-8	1	87.54	3	17	34	22.834	+ 3.1532	+ 0.0034		4599
4600	Ophiuchi	6-7	3	84.46	3	17	34	28.449	+ 3.1210	+ 0.0034		4600
4601	Ophiuchi	9-8	1	92.23	3	17	34	51.608	+ 3.5193	+ 0.0046		4601
4602	56 Serpentis <i>o</i>	5-4	3	83.01	4	17	35	13.788	+ 3.3748	+ 0.0040	- 0.0063	4602
4603	Ophiuchi	8	2	92.21	3	17	35	39.652	+ 3.6449	+ 0.0048		4603
4604	Ophiuchi	8-7	1	92.23	3	17	36	0.515	+ 3.5577	+ 0.0045		4604
4605	Serpentis	7	5	85.51	3	17	36	21.290	+ 3.4414	+ 0.0041		4605
4606	85 Herculis <i>ι</i>	4-5	1	85.22	6	17	36	21.581	+ 1.6924	+ 0.0035	- 0.0004	4606
4607	Ophiuchi	6-7	1	83.57	3	17	36	44.582	+ 3.1841	+ 0.0034		4607
4608	Ophiuchi	7-8	1	86.50	3	17	36	45.274	+ 3.1275	+ 0.0033		4608
4609	58 Ophiuchi	5	1	84.73	4	17	36	50.223	+ 3.5999	+ 0.0046	- 0.0071	4609
4610	Ophiuchi	8-9	3	91.36	3	17	37	22.022	+ 3.2822	+ 0.0036		4610
4611	28 Draconis <i>ω</i>	5*	...	90.20	3	17	37	35.534	- 0.3591	+ 0.0140	+ 0.0024	4611
4612	Serpentis	7-6	...	84.50	3	17	37	35.718	+ 3.3908	+ 0.0038		4612
4613	Ophiuchi	7-6	...	84.60	3	17	37	45.887	+ 3.6140	+ 0.0045		4613
4614	Ophiuchi	6-7	2	84.55	3	17	37	50.842	+ 3.2365	+ 0.0035		4614
4615	Serpentis	7	3	85.57	3	17	37	52.729	+ 3.4891	+ 0.0041		4615
4616	Ophiuchi	7-8	3	87.57	3	17	37	57.006	+ 3.1623	+ 0.0032	- 0.0060	4616
4617	Serpentis	7	...	89.20	3	17	37	57.199	+ 3.4746	+ 0.0041		4617
4618	60 Ophiuchi <i>β</i>	3-2	1	86.65	37	17	38	2.304	+ 2.9651	+ 0.0029	- 0.0041	4618
4619	Ophiuchi	7	1	91.91	3	17	38	7.511	+ 3.2095	+ 0.0033		4619
4620	Ophiuchi	7-8	2	89.88	3	17	38	18.123	+ 3.1133	+ 0.0032		4620
4621	Ophiuchi	8-7	3	85.59	3	17	38	59.203	+ 3.1118	+ 0.0032		4621
4622	Ophiuchi	8	2	91.91	3	17	39	4.269	+ 3.3017	+ 0.0035		4622
4623	Ophiuchi	8	1	91.91	3	17	39	12.334	+ 3.0745	+ 0.0031		4623
4624	Ophiuchi	7-8	1	89.92	3	17	39	28.415	+ 3.1356	+ 0.0032		4624
4625	Serpentis	7-8	2	89.90	3	17	39	45.851	+ 3.3147	+ 0.0035		4625
4626	Ophiuchi	7-8	1	89.89	3	17	40	33.156	+ 3.2582	+ 0.0033	0.0000	4626
4627	3 Sagittarii <i>X</i>	Var	2	85.18	3	17	40	38.048	+ 3.7745	+ 0.0046	- 0.0033	4627
4628	Ophiuchi	7-8	5	85.50	3	17	40	47.424	+ 3.1380	+ 0.0031		4628
4629	Ophiuchi	7	2	90.58	3	17	40	57.554	+ 3.5784	+ 0.0040		4629
4630	Serpentis	7	2	90.21	3	17	41	0.986	+ 3.5071	+ 0.0038		4630
4631	Ophiuchi	6-7	4	82.21	6	17	41	6.768	+ 3.6226	+ 0.0040		4631
4632	Ophiuchi	8-7	2	89.20	3	17	41	11.340	+ 3.1115	+ 0.0031		4632
4633	Serpentis	6-7	3	82.33	5	17	41	20.300	+ 3.4216	+ 0.0035		4633
4634	Ophiuchi	8-9	2	91.53	3	17	41	55.008	+ 3.1564	+ 0.0030		4634
4635	86 Herculis <i>μ</i>	3-4	2	84.92	26	17	42	9.203	+ 2.3702	+ 0.0026	- 0.0244	4635

4607. The R.A. of this star in Weisse's Bessel is 10° too great.

4627. The limits of magnitude are 4 and 6: the period is 7 days.

4634. Reddish-yellow star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4591	84°55	3	100 51 34.85	+ 2.440	- 0.483				32092	568			4591
4592	84°98	4	111 50 48.44	+ 2.432	- 0.523	+ 0.035	2219	160	32080			2772	4592
4593	81°49	13	21 47 41.61	+ 2.409	+ 0.035	- 0.125	2234	198	32312			2774	4593
4594	91°92	3	107 22 55.15	+ 2.384	- 0.506				32105				4594
4595	91°88	3	103 35 12.15	+ 2.332	- 0.493				32130				4595
4596	86°83	3	101 24 16.01	+ 2.290	- 0.485				32161	612			4596
4597	92°25	4	96 24 54.65	+ 2.279	- 0.468								4597
4598	82°16	3	90 34 39.31	+ 2.244	- 0.448			182	32200				4598
4599	87°54	3	93 28 32.01	+ 2.237	- 0.458					634			4599
4600	84°46	3	92 5 29.33	+ 2.230	- 0.453				32203				4600
4601	92°23	3	108 34 57.79	+ 2.195	- 0.511				32194				4601
4602	83°01	4	102 48 56.10	+ 2.163	- 0.490	+ 0.036	2225	184	32209	647	9637		4602
4603	92°21	3	113 17 39.71	+ 2.125	- 0.529				32211				4603
4604	92°23	3	110 2 55.54	+ 2.096	- 0.517				32231				4604
4605	85°51	3	105 30 16.14	+ 2.066	- 0.500			188	32248				4605
4606	85°22	6	43 56 4.65	+ 2.064	- 0.246	- 0.005	2233	211	32358			2780	4606
4607	83°57	3	94 47 42.32	+ 2.031	- 0.463				32280	677			4607
4608	86°50	3	92 22 8.50	+ 2.031	- 0.455				32291	674			4608
4609	84°73	4	111 37 43.70	+ 2.024	- 0.523	+ 0.043	2226	192	32257		9653	2782	4609
4610	91°36	3	98 57 24.41	+ 1.977	- 0.477								4610
4611	87°83	3	21 11 28.22	+ 1.957	+ 0.051	- 0.308	2238	241	32502			2790	4611
4612	84°50	3	103 27 13.18	+ 1.957	- 0.493				32305				4612
4613	84°60	3	112 8 39.76	+ 1.942	- 0.525			195	32297				4613
4614	84°55	3	97 1 39.86	+ 1.935	- 0.471			202	32325	694			4614
4615	85°57	3	107 23 10.70	+ 1.932	- 0.507				32307				4615
4616	87°57	3	93 51 32.61	+ 1.926	- 0.460	+ 0.220			32329	698			4616
4617	89°52	3	106 48 47.55	+ 1.926	- 0.505				32310				4617
4618	83°89	7	85 23 9.94	+ 1.919	- 0.431	- 0.167	2229	209	32346	705	9666	2788	4618
4619	91°91	3	95 52 43.29	+ 1.910	- 0.467					704			4619
4620	89°88	3	91 45 24.44	+ 1.896	- 0.453				32350	711			4620
4621	85°59	3	91 41 29.20	+ 1.836	- 0.453				32373	726			4621
4622	92°08	4	99 46 0.90	+ 1.829	- 0.480								4622
4623	91°91	3	90 5 11.76	+ 1.817	- 0.447				32387	734			4623
4624	89°92	3	92 42 52.95	+ 1.794	- 0.456								4624
4625	89°90	3	100 18 26.96	+ 1.768	- 0.482				32389	741			4625
4626	89°89	3	97 56 13.74	+ 1.700	- 0.474	+ 0.160			32422	755			4626
4627	85°18	3	117 47 16.44	+ 1.693	- 0.549	+ 0.014	2230	217	32398		9679	2800	4627
4628	85°50	3	92 48 57.18	+ 1.679	- 0.457				32435	763			4628
4629	90°58	3	110 47 41.24	+ 1.664	- 0.521				32421				4629
4630	90°21	3	108 3 53.45	+ 1.659	- 0.510			221	32426				4630
4631	82°15	5	112 26 9.12	+ 1.650	- 0.527				32424				4631
4632	89°20	3	91 40 37.17	+ 1.644	- 0.453				32450	782			4632
4633	82°33	5	104 41 1.00	+ 1.631	- 0.498					780			4633
4634	91°53	3	93 36 11.17	+ 1.581	- 0.460				32470	794			4634
4635	81°46	10	62 12 51.50	+ 1.560	- 0.345	+ 0.745	2237	244	32519		9706	2805	4635

4593, 4606, 4609, 4611, 4618, 4627, are respectively 3731, 3739, 3736, 3747, 3740, 3746 of the Radcliffe Catalogue, 1845.
 4593, 4606, 4611, 4618, 4627, 4635, are respectively 1670, 1676, 1682, 1679, 1683, 1686 of the Radcliffe Catalogue, 1860.
 4616, 4626. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
4636	Ophiuchi	8-7	3	86.56	3	17 42 35.445	+ 3.0952	+ 0.0029		4636
4637	Ophiuchi	8-7	5	85.53	3	17 42 53.147	+ 3.1227	+ 0.0030		4637
4638	Serpentis	8	...	92.22	3	17 42 57.142	+ 3.3390	+ 0.0033		4638
4639	Ophiuchi	8-7	3	91.55	3	17 43 4.097	+ 3.5570	+ 0.0037		4639
4640	Serpentis	8-7	1	91.92	3	17 43 44.657	+ 3.3700	+ 0.0033		4640
4641	Ophiuchi	8	3	87.57	3	17 43 49.485	+ 3.1236	+ 0.0029		4641
4642	31 Draconis ψ^1	5-4	3	87.54	3	17 43 53.547	- 1.0818	+ 0.0158	- 0.0006	4642
4643	Draconis ψ^2	6-7	3	87.54	3	17 43 55.370	- 1.0838	+ 0.0157	- 0.0008	4643
4644	Serpentis	8	2	91.88	3	17 44 3.866	+ 3.4533	+ 0.0034		4644
4645	Ophiuchi	7-8	3	85.56	3	17 44 27.130	+ 3.6355	+ 0.0036	+ 0.0020	4645
4646	Serpentis	8-7	2	90.16	3	17 44 32.943	+ 3.4860	+ 0.0034		4646
4647	Ophiuchi	8	3	85.59	3	17 44 53.705	+ 3.1962	+ 0.0029		4647
4648	Ophiuchi	7-8	1	92.14	3	17 44 56.530	+ 3.6566	+ 0.0036		4648
4649	Serpentis	7	4	83.30	4	17 45 18.219	+ 3.5447	+ 0.0034	- 0.0020	4649
4650	Ophiuchi	8	4	84.50	3	17 45 48.222	+ 3.2182	+ 0.0028		4650
4651	Serpentis	7-6	1	89.91	3	17 45 50.417	+ 3.5344	+ 0.0033		4651
4652	Ophiuchi	8-9	1	92.25	3	17 45 56.780	+ 3.3066	+ 0.0029		4652
4653	Serpentis	8-7	2	88.86	3	17 45 57.447	+ 3.5077	+ 0.0033		4653
4654	Ophiuchi	7-6	3	84.45	3	17 46 18.238	+ 3.1006	+ 0.0027		4654
4655	Ophiuchi Y	Var.	2	84.52	3	17 46 44.856	+ 3.2155	+ 0.0028		4655
4656	Ophiuchi	7	2	84.52	3	17 46 45.543	+ 3.1948	+ 0.0028		4656
4657	Serpentis	7-8	2	92.21	3	17 46 51.137	+ 3.3960	+ 0.0030		4657
4658	Serpentis	7-6	1	84.58	3	17 46 56.796	+ 3.3288	+ 0.0030		4658
4659	Ophiuchi	7-8	1	89.25	3	17 47 0.311	+ 3.1550	+ 0.0026		4659
4660	Ophiuchi	8-7	4	87.58	3	17 47 0.499	+ 3.2573	+ 0.0027	- 0.0070	4660
4661	Ophiuchi	8	2	92.23	3	17 47 13.656	+ 3.0728	+ 0.0026		4661
4662	Serpentis	7-8	2	85.50	3	17 47 15.757	+ 3.5547	+ 0.0032		4662
4663	Ophiuchi	7-8	1	89.87	3	17 47 18.929	+ 3.1320	+ 0.0027		4663
4664	Ophiuchi	7	3	85.56	3	17 47 21.926	+ 3.2105	+ 0.0027		4664
4665	Ophiuchi	8-7	1	91.57	3	17 47 34.048	+ 3.2764	+ 0.0028		4665
4666	Serpentis	7-6	4	82.06	4	17 47 59.960	+ 3.3396	+ 0.0028		4666
4667	Ophiuchi	8-9	1	91.57	3	17 48 6.099	+ 3.5850	+ 0.0032		4667
4668	63 Ophiuchi	6-7	1	84.62	3	17 48 7.718	+ 3.6912	+ 0.0033	- 0.0022	4668
4669	Ophiuchi	7-6	4	82.90	3	17 48 21.534	+ 3.1097	+ 0.0026		4669
4670	Ophiuchi	7-8	3	85.65	3	17 48 42.717	+ 3.1527	+ 0.0026	0.0000	4670
4671	Serpentis	7-8	3	85.60	3	17 48 47.358	+ 3.3469	+ 0.0028		4671
4672	Ophiuchi	7-8	3	86.61	3	17 49 0.007	+ 3.2533	+ 0.0026		4672
4673	Serpentis	7-6	4	83.24	4	17 49 26.706	+ 3.5266	+ 0.0029		4673
4674	Ophiuchi	7	2	85.58	4	17 49 43.933	+ 3.6104	+ 0.0029	- 0.0050	4674
4675	Serpentis	6	3	83.46	3	17 49 59.284	+ 3.4502	+ 0.0027		4675
4676	Ophiuchi	7	4	85.53	3	17 50 24.064	+ 3.6650	+ 0.0030	- 0.0012	4676
4677	89 Herculis	6-5	3	88.46	12	17 50 58.941	+ 2.4190	+ 0.0023	+ 0.0003	4677
4678	Serpentis	6-5	2	84.55	3	17 50 59.228	+ 3.1674	+ 0.0024		4678
4679	Ophiuchi	6-7	2	86.52	3	17 51 26.196	+ 3.0706	+ 0.0024		4679
4680	32 Draconis ξ	3-4*	...	84.44	4	17 51 37.580	+ 1.0239	+ 0.0038	+ 0.0149	4680

4636. Yellowish-red star.

4655. Reddish star. The limits of magnitude are 6.2 and 7.0: the period is 17 days.

4657. The N.P.D. of this star in Weisse's Bessel is about 20" too small.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4636	86°56	3	90 58 38.00	+ 1°523	— 0°451				32499	809			4636
4637	85°53	3	92 9 29.28	+ 1°496	— 0°455				32509	812			4637
4638	92°22	3	101 18 12.68	+ 1°490	— 0°486					810			4638
4639	91°55	3	109 58 10.45	+ 1°480	— 0°518				32492				4639
4640	91°92	3	102 34 27.39	+ 1°421	— 0°491				32525				4640
4641	87°57	3	92 11 36.67	+ 1°414	— 0°455				32546	829			4641
4642	84°41	9	17 47 50.48	+ 1°409	+ 0°157	+ 0°268	2251	286	32790			2815	4642
4643	85°13	5	17 47 21.25	+ 1°406	+ 0°157	+ 0°278	2252	287	32791			2816	4643
4644	91°88	3	105 56 11.76	+ 1°393	— 0°503				32536				4644
4645	85°56	3	112 53 9.39	+ 1°360	— 0°530	+ 0°090		247	32540				4645
4646	90°16	3	107 13 25.54	+ 1°351	— 0°508								4646
4647	85°59	3	95 17 50.11	+ 1°320	— 0°466				32579	849			4647
4648	92°14	3	113 38 45.99	+ 1°316	— 0°533			249	32557				4648
4649	83°30	4	109 29 32.40	+ 1°285	— 0°517	+ 0°090		253	32574				4649
4650	84°50	3	96 13 48.05	+ 1°242	— 0°469					871			4650
4651	89°91	3	109 5 30.55	+ 1°238	— 0°515			257					4651
4652	92°25	3	99 56 54.45	+ 1°229	— 0°482				32612	872			4652
4653	88°86	3	108 3 40.10	+ 1°229	— 0°511				32602				4653
4654	84°45	3	91 12 27.70	+ 1°198	— 0°452				32633	865			4654
4655	84°52	3	96 6 56.56	+ 1°159	— 0°469				32647	894			4655
4656	84°52	3	95 14 2.25	+ 1°157	— 0°466				32652	899			4656
4657	92°21	3	103 37 22.43	+ 1°150	— 0°495					890			4657
4658	84°58	3	100 52 18.79	+ 1°141	— 0°485			265	32651	900			4658
4659	89°25	3	93 32 13.53	+ 1°137	— 0°460					909			4659
4660	87°58	3	97 53 5.87	+ 1°137	— 0°475	+ 0°210			32664	905			4660
4661	92°23	3	90 0 39.64	+ 1°116	— 0°448					883			4661
4662	85°50	3	109 51 42.76	+ 1°114	— 0°518			264	32648				4662
4663	89°87	3	92 33 7.17	+ 1°109	— 0°457				32682	917			4663
4664	85°56	3	95 54 6.94	+ 1°105	— 0°468				32689	921			4664
4665	91°57	3	98 40 59.16	+ 1°087	— 0°478								4665
4666	82°06	4	101 18 48.16	+ 1°049	— 0°487			270	32694	931			4666
4667	91°57	3	110 59 57.74	+ 1°041	— 0°523								4667
4668	84°62	3	114 51 52.53	+ 1°038	— 0°538	+ 0°020	2241	267	32685		9757		4668
4669	82°84	4	91 35 42.36	+ 1°019	— 0°453			274	32712				4669
4670	85°65	3	93 26 7.87	+ 0°987	— 0°460	+ 0°140			32723	946			4670
4671	85°60	3	101 36 40.99	+ 0°981	— 0°488			276	32716	943			4671
4672	86°61	3	97 42 38.01	+ 0°962	— 0°474				32730	951			4672
4673	83°24	4	108 46 54.06	+ 0°923	— 0°514			277	32734			2826	4673
4674	85°58	4	111 56 11.40	+ 0°898	— 0°526	+ 0°070		279					4674
4675	83°46	3	105 47 31.37	+ 0°876	— 0°503			281	32757				4675
4676	85°53	3	113 55 21.13	+ 0°840	— 0°534	+ 0°030	2242	283	32766				4676
4677	90°25	4	63 55 54.87	+ 0°789	— 0°353	— 0°009	2249	298			9781	2831	4677
4678	84°55	3	94 3 54.93	+ 0°789	— 0°462			293	32822	1003		2830	4678
4679	86°52	3	89 55 2.41	+ 0°749	— 0°448					1014			4679
4680	84°45	4	33 6 35.39	+ 0°733	— 0°150	— 0°077	2263	316	32960			2833	4680

4642, 4643, 4658, 4680, are respectively 3768, 3769, 3766, 3793 of the Radcliffe Catalogue, 1845.
 4642, 4643, 4668, 4674, 4675, 4677, 4680, are respectively 1689, 1690, 1693, 1697, 1698, 1699, 1702 of the Radcliffe Catalogue, 1860.
 4645, 4649, 4660, 4670, 4674. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
4681	Sagittarii	6-5	...	82° 84	3	17	52	1' 257	+ 3' 8514	+ 0' 0029		4681
4682	Ophiuchi	8	2	87° 57	3	17	52	3' 844	+ 3' 1134	+ 0' 0023		4682
4683	Sagittarii	7-8	6	85° 58	3	17	52	18' 144	+ 3' 6261	+ 0' 0026		4683
4684	Serpentis	7	2	90° 22	3	17	52	19' 370	+ 3' 4771	+ 0' 0025		4684
4685	91 Herculis θ	4*	...	90° 24	3	17	52	28' 783	+ 2' 0559	+ 0' 0025	- 0' 0018	4685
4686	Serpentis	8	3	91° 56	3	17	52	31' 321	+ 3' 3532	+ 0' 0024		4686
4687	Draconis	7-8	3	81° 54	3	17	52	38' 230	+ 1' 3919	+ 0' 0032		4687
4688	Ophiuchi	8-7	1	91° 61	3	17	52	38' 932	+ 3' 2724	+ 0' 0024		4688
4689	Sagittarii	8-7	5	85° 64	3	17	52	47' 308	+ 3' 6248	+ 0' 0026		4689
4690	64 Ophiuchi ν	4-3*	...	83° 54	3	17	52	58' 187	+ 3' 3023	+ 0' 0024	- 0' 0019	4690
4691	4 Sagittarii	6-5	2	83° 06	4	17	53	4' 492	+ 3' 6620	+ 0' 0026	- 0' 0013	4691
4692	Ophiuchi	7-8	4	91° 90	3	17	53	6' 713	+ 3' 2279	+ 0' 0023		4692
4693	5 Sagittarii	7	3	85° 55	3	17	53	26' 780	+ 3' 6751	+ 0' 0025	- 0' 0001	4693
4694	Sagittarii	7-6	2	84° 62	3	17	53	27' 360	+ 3' 5676	+ 0' 0025		4694
4695	92 Herculis ξ	4-3*	...	89° 54	3	17	53	29' 434	+ 2' 3238	+ 0' 0023	+ 0' 0060	4695
4696	Serpentis	6	4	86° 87	6	17	53	46' 258	+ 3' 1849	+ 0' 0023		4696
4697	Serpentis	8-7	3	91° 88	3	17	53	52' 411	+ 3' 4572	+ 0' 0024		4697
4698	Serpentis	8	2	91° 57	3	17	53	52' 779	+ 3' 4252	+ 0' 0023		4698
4699	33 Draconis γ	2-3*	...	83° 74	13	17	54	3' 074	+ 1' 3923	+ 0' 0031	- 0' 0018	4699
4700	Serpentis	7-8	2	87° 54	3	17	54	14' 826	+ 3' 3806	+ 0' 0022		4700
4701	35 Draconis	5-6	2	82° 77	6	17	54	22' 139	- 2' 7055	+ 0' 0135	+ 0' 0135	4701
4702	57 Serpentis ζ	5*	...	84° 48	3	17	54	40' 319	+ 3' 1585	+ 0' 0021	+ 0' 0080	4702
4703	6 Sagittarii	6-7	3	84° 32	4	17	54	59' 447	+ 3' 4850	+ 0' 0022	- 0' 0017	4703
4704	Serpentis	7-8	2	85° 53	3	17	55	12' 447	+ 3' 1325	+ 0' 0022		4704
4705	Sagittarii	6	2	84° 88	4	17	55	14' 455	+ 3' 6337	+ 0' 0022		4705
4706	Sagittarii	7	1	90° 22	3	17	55	23' 222	+ 3' 5354	+ 0' 0022		4706
4707	Sagittarii	7-8	2	88° 84	3	17	55	51' 422	+ 3' 6372	+ 0' 0022		4707
4708	Ophiuchi	8-7	3	91° 51	3	17	55	53' 434	+ 3' 0700	+ 0' 0021		4708
4709	Sagittarii	6-7	1	82° 66	3	17	56	3' 441	+ 3' 5785	+ 0' 0022		4709
4710	7 Sagittarii	6	1	84° 54	2	17	56	6' 541	+ 3' 6755	+ 0' 0022	- 0' 0029	4710
4711	Sagittarii	7-8	4	85° 55	4	17	56	21' 935	+ 3' 6321	+ 0' 0020		4711
4712	Serpentis	7	3	85° 66	3	17	56	42' 625	+ 3' 1462	+ 0' 0020		4712
4713	95 Herculis	5-6	1	88° 17	3	17	56	50' 457	+ 2' 5433	+ 0' 0022	- 0' 0027	4713
4714	Serpentis	7-6	2	83° 88	3	17	56	54' 292	+ 3' 1978	+ 0' 0020		4714
4715	Sagittarii	7	2	89° 91	3	17	56	57' 005	+ 3' 4968	+ 0' 0020		4715
4716	69 Ophiuchi τ	5	1	85° 34	4	17	57	5' 478	+ 3' 2646	+ 0' 0021	+ 0' 0016	4716
4717	9 Sagittarii	7-6	2	89° 58	5	17	57	7' 604	+ 3' 6778	+ 0' 0020	- 0' 0031	4717
4718	Sagittarii	7	2	83° 43	3	17	57	33' 487	+ 3' 6263	+ 0' 0020		4718
4719	Ophiuchi	7-8	2	89° 90	3	17	57	52' 214	+ 3' 2903	+ 0' 0019		4719
4720	Sagittarii γ^1	Var.	...	86° 23	3	17	57	59' 436	+ 3' 8314	+ 0' 0020		4720
4721	Serpentis	7-8	3	86° 96	3	17	58	14' 012	+ 3' 3303	+ 0' 0019		4721
4722	Sagittarii	6-7	...	84° 62	3	17	58	25' 558	+ 3' 6790	+ 0' 0018		4722
4723	Serpentis	8-7	...	91° 81	4	17	58	38' 959	+ 3' 4381	+ 0' 0019		4723
4724	Sagittarii	7-6	2	85° 58	3	17	59	2' 258	+ 3' 5528	+ 0' 0019		4724
4725	Ophiuchi	7	3	87° 57	3	17	59	4' 117	+ 3' 0278	+ 0' 0020		4725

4681. Double: the companion follows, and is south.

4692. Yellowish-red star.

4716. Close double: observed as one mass.

4720. The limits of magnitude are 4.8 and 5.8: the period is 7.6 days.

4723. A fainter star precedes 15^s, and is about 4' south.

4713. Double: second star observed.

4686. Lalande's N.P.D. is about 36" too small.

4717. A fainter star, Stone 9829, follows, and is north.

4724. The magnitude assigned to this star in Lalande is 9.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4681	82° 84	3	120 14 26.44	+0.698	-0.562			294			9795		4681
4682	87° 57	3	91 45 6.26	+0.694	-0.454				32867	1025			4682
4683	85° 58	3	112 30 21.50	+0.674	-0.529				32847				4683
4684	90° 22	3	106 50 41.62	+0.672	-0.507			297	32859				4684
4685	81° 13	15	52 44 4.18	+0.658	-0.300	-0.024	2256	309	32935			2834	4685
4686	91° 56	3	101 51 43.37	+0.654	-0.489				32870	1029			4686
4687	81° 54	3	38 29 10.88	+0.644	-0.203				32981				4687
4688	91° 61	3	98 30 23.11	+0.643	-0.477				32878	1035			4688
4689	85° 64	3	112 27 22.73	+0.631	-0.529				32865				4689
4690	83° 54	3	99 45 32.76	+0.615	-0.482	+0.105	2250	303	32892	1044	9802	2835	4690
4691	83° 16	5	113 48 18.82	+0.605	-0.534	+0.054	2246	299	32873		9803	2836	4691
4692	91° 90	3	96 38 1.50	+0.602	-0.471					1052			4692
4693	85° 55	3	114 16 27.17	+0.573	-0.536	+0.050	2247	302	32887		9805		4693
4694	84° 62	3	110 19 49.22	+0.573	-0.520			304	32898			2837	4694
4695	86° 27	7	60 44 23.63	+0.569	-0.339	+0.028	2258	314	32952			2838	4695
4696	87° 11	7	94 48 34.08	+0.545	-0.465			307	32923	1067			4696
4697	91° 88	3	106 3 31.22	+0.537	-0.504				32914				4697
4698	91° 57	3	104 46 57.18	+0.535	-0.500								4698
4699	82° 49	13	38 29 52.13	+0.521	-0.203	+0.028	2267	335	33043			2840	4699
4700	87° 54	3	102 58 50.40	+0.503	-0.493				32932	1076			4700
4701	82° 76	6	13 1 23.30	+0.493	+0.394	-0.239	2287	380	33292			2848	4701
4702	84° 48	3	93 40 55.86	+0.467	-0.461	+0.042	2254	313	32950	1093		2842	4702
4703	84° 32	4	107 9 6.30	+0.439	-0.508	-0.012	2253	311				2844	4703
4704	85° 53	3	92 34 20.71	+0.420	-0.457				32980	1110			4704
4705	84° 88	4	112 46 35.52	+0.417	-0.530			312	32946			2846	4705
4706	90° 22	3	109 6 9.47	+0.404	-0.516			317	32963				4706
4707	88° 84	3	112 54 11.96	+0.362	-0.531			320	32977				4707
4708	91° 51	3	89 53 29.16	+0.360	-0.447				33016	1126			4708
4709	82° 66	3	110 44 9.23	+0.346	-0.522			323	32994			2850	4709
4710	84° 56	3	114 16 50.19	+0.340	-0.536	+0.004	2255	321	32983		9820		4710
4711	85° 55	4	112 43 2.90	+0.318	-0.530			326	33000				4711
4712	85° 66	3	93 9 25.27	+0.287	-0.459				33047				4712
4713	83° 52	6	68 24 11.28	+0.277	-0.371	-0.027	2268	344	33087			2852	4713
4714	83° 88	3	95 21 25.12	+0.271	-0.466				33055	1148			4714
4715	89° 91	3	107 36 37.50	+0.267	-0.510				33031				4715
4716	85° 34	4	98 10 45.57	+0.255	-0.476	+0.008	2265	337	33060	1154	9828	2856	4716
4717	90° 09	4	114 21 43.58	+0.251	-0.536	+0.005	2260	332	33026		9827	2855	4717
4718	83° 43	3	112 30 11.16	+0.214	-0.529				33058				4718
4719	89° 90	3	99 15 13.01	+0.187	-0.480					1169			4719
4720	86° 23	3	119 35 2.02	+0.176	-0.559			339	33063		9839	2861	4720
4721	86° 96	3	100 54 49.93	+0.155	-0.486				33095	1173			4721
4722	84° 62	3	114 24 12.75	+0.137	-0.537			342	33084		9845	2864	4722
4723	91° 81	4	105 17 33.36	+0.118	-0.502					1182			4723
4724	85° 58	3	109 45 37.14	+0.085	-0.518				33111				4724
4725	87° 57	3	88 5 8.21	+0.082	-0.442				33141	1202			4725

4687, 4690, 4691, 4699, 4701, 4719, are respectively 3794, 3792, 3791, 3799, 3816, 3811 of the Radcliffe Catalogue, 1845.
 4691, 4693, 4695, 4699, 4701, 4702, 4713, are respectively 1703, 1704, 1705, 1707, 1711, 1706, 1710 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
4726	Serpentis	8	1	92.21	3	17	59	4.265	+ 3.2214	+ 0.0019		4726
4727	Serpentis	7-8	3	85.53	3	17	59	24.369	+ 3.3330	+ 0.0018		4727
4728	Serpentis	8-7	1	91.92	3	17	59	49.176	+ 3.1185	+ 0.0019		4728
4729	Ophiuchi	6	1	82.54	3	18	0	7.849	+ 3.2683	+ 0.0018		4729
4730	Serpentis	6	2	86.51	3	18	0	23.769	+ 3.1838	+ 0.0018		4730
4731	Ophiuchi	7-6	2	84.61	3	18	0	28.353	+ 3.0831	+ 0.0019		4731
4732	Sagittarii	7-6	3	83.53	3	18	0	35.338	+ 3.5979	+ 0.0017		4732
4733	Serpentis	8-9	1	92.24	3	18	0	49.619	+ 3.3872	+ 0.0017		4733
4734	Sagittarii	8	3	91.62	3	18	1	4.511	+ 3.6432	+ 0.0014		4734
4735	Serpentis	7-6	2	84.51	3	18	1	9.054	+ 3.1483	+ 0.0017		4735
4736	Sagittarii	6	1	84.51	3	18	1	25.577	+ 3.4855	+ 0.0015		4736
4737	Serpentis	7-8	...	92.52	3	18	1	31.813	+ 3.2888	+ 0.0017		4737
4738	Sagittarii	7-8	...	89.57	3	18	1	58.996	+ 3.5215	+ 0.0015		4738
4739	Sagittarii	7-6	2	83.51	2	18	2	2.531	+ 3.5981	+ 0.0015		4739
4740	72 Ophiuchi	3-4	5	85.84	70	18	2	8.085	+ 2.8476	+ 0.0019	- 0.0056	4740
4741	Serpentis	7-8	2	91.64	3	18	2	12.244	+ 3.2398	+ 0.0017		4741
4742	Serpentis	7-8	4	85.55	3	18	2	51.168	+ 3.3508	+ 0.0015		4742
4743	Serpentis	7	3	84.52	3	18	2	53.549	+ 3.1408	+ 0.0016		4743
4744	Serpentis	7-6	3	83.32	3	18	3	28.577	+ 3.4046	+ 0.0014		4744
4745	Serpentis	7-8	7	85.53	5	18	3	36.695	+ 3.3503	+ 0.0015		4745
4746	Serpentis	7-8	4	86.98	3	18	3	43.727	+ 3.2052	+ 0.0015		4746
4747	Sagittarii	6-7	2	83.90	3	18	4	43.573	+ 3.5553	+ 0.0011		4747
4748	Sagittarii	5-6	1	83.14	3	18	5	0.444	+ 3.6598	+ 0.0010	- 0.0003	4748
4749	Serpentis	7-8	4	85.58	3	18	5	20.625	+ 3.3403	+ 0.0013		4749
4750	Sagittarii	7-8	...	87.94	3	18	5	24.116	+ 3.5708	+ 0.0011		4750
4751	Serpentis	6-7	2	84.60	3	18	5	35.353	+ 3.1948	+ 0.0014		4751
4752	Serpentis	7-8	1	92.24	3	18	5	36.660	+ 3.0884	+ 0.0016		4752
4753	Serpentis	8-9	2	92.24	3	18	5	44.217	+ 3.2978	+ 0.0014		4753
4754	Serpentis	7-8	1	86.50	3	18	5	55.891	+ 3.1367	+ 0.0016		4754
4755	Serpentis	7-8	1	89.60	3	18	6	0.692	+ 3.2783	+ 0.0014		4755
4756	Serpentis	7-8	6	86.64	5	18	6	2.863	+ 3.2047	+ 0.0014		4756
4757	Sagittarii	7-8	2	91.62	3	18	6	6.188	+ 3.4660	+ 0.0010		4757
4758	Serpentis	8-7	3	91.64	3	18	6	27.260	+ 3.2442	+ 0.0013		4758
4759	13 Sagittarii	μ 5-4	2	87.08	16	18	7	11.035	+ 3.5877	+ 0.0008	- 0.0014	4759
4760	Sagittarii	7-8	2	86.56	3	18	7	16.309	+ 3.4462	+ 0.0010		4760
4761	Serpentis	7-6	...	84.63	3	18	7	21.355	+ 3.1669	+ 0.0013		4761
4762	Serpentis	7-8	2	90.25	3	18	7	33.348	+ 3.1133	+ 0.0015		4762
4763	14 Sagittarii	6-7	1	83.65	3	18	7	39.301	+ 3.6053	+ 0.0007	- 0.0032	4763
4764	23 Ursæ Minoris	δ 5-4	...	85.07	188	18	7	47.446	- 19.4939	- 0.2236	+ 0.0251	4764
4765	15 Sagittarii	5*	...	85.90	3	18	8	39.062	+ 3.5789	+ 0.0006	- 0.0018	4765
4766	Sagittarii	7-8	1	87.56	3	18	8	39.087	+ 3.4409	+ 0.0009		4766
4767	16 Sagittarii	6-7	2	84.30	3	18	8	40.186	+ 3.5698	+ 0.0006	- 0.0018	4767
4768	Serpentis	8	1	91.96	3	18	9	2.390	+ 3.3704	+ 0.0010		4768
4769	Sagittarii	7-6	2	85.24	3	18	9	2.931	+ 3.5245	+ 0.0006		4769
4770	Sagittarii	8	2	91.94	3	18	9	41.146	+ 3.3959	+ 0.0008		4770

4726. The R.A. of this star in Weisse's Bessel is 1^m too small.

4731. The N.P.D. of this star in Weisse's Bessel is about 2 $\frac{1}{2}$ too small.

4760. Double: the companion, of the 10-9 magnitude, precedes, and is slightly north.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4726	92°21	3	96 21 21.16	+ 0.082	- 0.470				33129	1172			4726
4727	85°53	3	101 1 34.55	+ 0.052	- 0.486				33134	1203			4727
4728	91°92	3	91 58 21.38	+ 0.016	- 0.455				33160	1222			4728
4729	82°54	3	98 19 53.98	- 0.012	- 0.477			357	33192	1227			4729
4730	86°51	3	94 45 32.27	- 0.035	- 0.464				33176	1235		2868	4730
4731	84°61	3	90 27 16.54	- 0.041	- 0.450				33183	1240			4731
4732	83°53	3	111 27 14.31	- 0.051	- 0.525			356	33164				4732
4733	92°24	3	103 14 46.82	- 0.073	- 0.494					1241			4733
4734	91°62	3	113 6 58.97	- 0.093	- 0.531								4734
4735	84°51	3	93 14 47.18	- 0.101	- 0.459				33200	1254			4735
4736	84°51	3	107 10 6.10	- 0.125	- 0.508							2872	4736
4737	92°52	3	99 11 24.15	- 0.134	- 0.480					1260			4737
4738	89°57	3	108 33 58.92	- 0.174	- 0.513				33215				4738
4739	83°54	3	111 27 49.36	- 0.179	- 0.525			364	33210				4739
4740	81°84	26	80 27 3.93	- 0.187	- 0.415	- 0.089	2275	374		1282	9881	2875	4740
4741	91°64	3	97 8 0.99	- 0.192	- 0.472				33245	1273			4741
4742	85°55	3	101 45 31.17	- 0.249	- 0.489				33264	1289			4742
4743	84°52	3	92 55 22.62	- 0.254	- 0.458			378		1302			4743
4744	83°15	4	103 57 7.25	- 0.305	- 0.496								4744
4745	85°53	5	101 44 31.32	- 0.316	- 0.488				33301	1310			4745
4746	86°98	3	95 40 10.61	- 0.327	- 0.467				33313	10			4746
4747	83°90	3	109 51 44.52	- 0.414	- 0.518				33327				4747
4748	83°14	3	113 43 21.72	- 0.437	- 0.533	+ 0.060	2276	386	33330		9907	2884	4748
4749	85°58	3	101 19 53.67	- 0.468	- 0.487				33361	41			4749
4750	87°94	3	110 26 46.85	- 0.472	- 0.520				33350				4750
4751	84°60	3	95 13 40.51	- 0.488	- 0.466				33383	49			4751
4752	92°24	3	90 40 49.68	- 0.491	- 0.450				33391				4752
4753	92°24	3	99 34 11.36	- 0.502	- 0.481					51			4753
4754	86°50	3	92 44 55.03	- 0.519	- 0.457				33413	62			4754
4755	89°60	3	98 45 15.16	- 0.526	- 0.478				33403	61			4755
4756	86°64	5	95 38 53.42	- 0.529	- 0.467				33415	64			4756
4757	91°62	3	106 24 19.91	- 0.534	- 0.505					76			4757
4758	91°64	3	97 19 14.23	- 0.564	- 0.473								4758
4759	84°57	3	111 5 12.32	- 0.628	- 0.523	- 0.001	2284	7	33433		9932	2890	4759
4760	86°56	3	105 37 30.42	- 0.636	- 0.502				33443				4760
4761	84°63	3	94 2 22.51	- 0.643	- 0.461					94			4761
4762	90°25	3	91 44 50.07	- 0.660	- 0.454				33467	102			4762
4763	83°65	3	111 44 30.54	- 0.669	- 0.525	+ 0.021	2286	8	33449			2891	4763
4764	84°71	180	3 23 18.07	- 0.682	+ 2.842	- 0.040	2395	178				2908	4764
4765	85°90	3	110 45 36.17	- 0.757	- 0.521	- 0.009	2288	14	33481			2895	4765
4766	87°56	3	105 24 58.36	- 0.757	- 0.501				33490				4766
4767	84°30	3	110 25 11.88	- 0.758	- 0.520	+ 0.014	2289	15	33482			2897	4767
4768	91°96	3	102 34 9.04	- 0.790	- 0.491				33502	126			4768
4769	85°24	3	108 41 39.41	- 0.792	- 0.513				33540				4769
4770	91°94	3	103 36 30.64	- 0.847	- 0.494								4770

4737, 4759, 4764, are respectively 3827, 3853, 3930 of the Radcliffe Catalogue, 1845.

4729, 4740, 4759, 4764, are respectively 1719, 1724, 1729, 1748 of the Radcliffe Catalogue, 1860.

4764. There are 118 observations in N.P.D. above pole, and 62 below pole. The seconds of N.P.D. are 18".11 and 18".01 respectively.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
4771	Serpentis	7-8	3	86° 90	3	18 9 42° 035	+ 3° 2013	+ 0° 0011		4771
4772	Sagittarii	7-8	2	91° 60	3	18 9 50° 839	+ 3° 6654	+ 0° 0002		4772
4773	Serpentis	7-6	2	83° 48	3	18 10 10° 509	+ 3° 1578	+ 0° 0011		4773
4774	Sagittarii	6-7	...	82° 67	3	18 10 47° 564	+ 3° 4913	+ 0° 0005		4774
4775	Sagittarii	7	2	90° 57	3	18 11 1° 434	+ 3° 5193	+ 0° 0004		4775
4776	Serpentis	6	3	84° 63	3	18 11 7° 050	+ 3° 1433	+ 0° 0011	- 0° 0045	4776
4777	Sagittarii	8	1	92° 58	3	18 11 9° 292	+ 3° 5509	+ 0° 0004		4777
4778	Serpentis	8	3	87° 58	3	18 11 17° 309	+ 3° 3749	+ 0° 0006		4778
4779	Sagittarii	7	3	86° 65	4	18 11 19° 022	+ 3° 4420	+ 0° 0005		4779
4780	Serpentis	7-6	3	85° 30	3	18 11 20° 559	+ 3° 3030	+ 0° 0008	- 0° 0045	4780
4781	Sagittarii	7	2	90° 57	3	18 11 22° 934	+ 3° 5280	+ 0° 0004		4781
4782	Serpentis	7-8	...	90° 29	3	18 11 46° 594	+ 3° 3785	+ 0° 0006		4782
4783	Serpentis	7	1	84° 24	3	18 11 55° 934	+ 3° 3632	+ 0° 0007		4783
4784	Sagittarii	7-8	3	85° 58	3	18 12 15° 480	+ 3° 5233	+ 0° 0003		4784
4785	Sagittarii	8-9	2	85° 58	3	18 12 16° 630	+ 3° 5233	+ 0° 0003		4785
4786	Serpentis	8-7	...	91° 64	3	18 12 23° 919	+ 3° 1045	+ 0° 0012		4786
4787	Serpentis	9-8	2	91° 93	3	18 12 39° 102	+ 3° 2163	+ 0° 0009		4787
4788	Serpentis	7-8	1	86° 57	3	18 12 40° 107	+ 3° 3683	+ 0° 0006		4788
4789	Serpentis	7-8	1	91° 60	3	18 13 10° 475	+ 3° 1693	+ 0° 0010		4789
4790	36 Draconis	5*	...	89° 41	2	18 13 15° 717	+ 0° 2920	- 0° 0006	+ 0° 0518	4790
4791	Serpentis	7-8	2	87° 55	3	18 13 44° 634	+ 3° 3399	+ 0° 0006		4791
4792	Sagittarii	6	3	84° 24	3	18 13 48° 635	+ 3° 4520	+ 0° 0003	+ 0° 0009	4792
4793	Sagittarii	8	3	91° 63	3	18 14 0° 559	+ 3° 5651	0° 0000		4793
4794	Serpentis	7	2	89° 25	3	18 14 1° 585	+ 3° 2990	+ 0° 0007	- 0° 0050	4794
4795	Serpentis	7-6	...	84° 58	3	18 14 6° 148	+ 3° 2607	+ 0° 0007		4795
4796	Sagittarii	7	2	88° 66	3	18 14 44° 075	+ 3° 4369	+ 0° 0002		4796
4797	Sagittarii	6-7	3	86° 61	5	18 14 44° 914	+ 3° 6936	- 0° 0005		4797
4798	Sagittarii Y	Var.	3	87° 49	3	18 14 54° 602	+ 3° 5294	0° 0000		4798
4799	Sagittarii	8-7	2	91° 90	3	18 15 31° 908	+ 3° 6193	- 0° 0004		4799
4800	58 Serpentis η	3-4	3	86° 67	58	18 15 37° 086	+ 3° 1407	+ 0° 0009	- 0° 0400	4800
4801	Sagittarii	8	2	90° 61	5	18 15 55° 646	+ 3° 4334	+ 0° 0001		4801
4802	Sagittarii	7-8	2	91° 12	4	18 15 56° 140	+ 3° 4333	+ 0° 0001		4802
4803	Sagittarii	7-8	1	89° 88	3	18 16 0° 148	+ 3° 4159	+ 0° 0001		4803
4804	Serpentis	7-8	1	85° 92	3	18 16 13° 370	+ 3° 2492	+ 0° 0006		4804
4805	Ophiuchi	8-7	1	91° 66	3	18 16 30° 794	+ 3° 0700	+ 0° 0010		4805
4806	Sagittarii	8-7	3	91° 96	3	18 16 36° 012	+ 3° 4988	- 0° 0001		4806
4807	Serpentis	7-8	3	85° 58	3	18 16 42° 462	+ 3° 1017	+ 0° 0010		4807
4808	Aquilæ	7-6	...	84° 60	3	18 16 57° 299	+ 3° 3141	+ 0° 0004		4808
4809	Aquilæ	6	2	83° 58	3	18 17 2° 917	+ 3° 3575	+ 0° 0003		4809
4810	Aquilæ	7-8	3	86° 62	3	18 17 9° 042	+ 3° 3645	+ 0° 0003		4810
4811	Sagittarii	8-7	2	91° 63	3	18 17 33° 801	+ 3° 5432	- 0° 0003		4811
4812	Serpentis	6-5	3	82° 65	3	18 17 37° 921	+ 3° 2834	+ 0° 0004		4812
4813	Aquilæ	8	3	85° 59	3	18 17 48° 801	+ 3° 3714	+ 0° 0001		4813
4814	Serpentis	8-9	2	87° 56	3	18 17 49° 387	+ 3° 1311	+ 0° 0008		4814
4815	Serpentis	8-7	2	89° 82	4	18 18 8° 430	+ 3° 1005	+ 0° 0009		4815

4798. The limits of magnitude are 5·8 and 6·6: the period is 5·8 days.
 4799. A slightly fainter star, Lalande 33767, precedes.
 4811. Reddish-yellow star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. " " "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4771	86° 90	3	95 30 29° 09	— 0° 848	— 0° 466				33552	154			4771
4772	91° 60	3	113 56 10° 70	— 0° 862	— 0° 534				33516				4772
4773	83° 48	3	93 39 10° 96	— 0° 891	— 0° 460					166			4773
4774	82° 67	3	107 24 38° 68	— 0° 945	— 0° 508								4774
4775	90° 57	3	108 30 5° 85	— 0° 964	— 0° 512			25	33588				4775
4776	84° 63	3	93 2 11° 76	— 0° 972	— 0° 458	+ 0° 264	2293		33617	185		2906	4776
4777	92° 58	3	109 42 38° 47	— 0° 975	— 0° 517			26					4777
4778	87° 58	3	102 45 43° 99	— 0° 987	— 0° 491				33605	183			4778
4779	86° 65	4	105 28 10° 18	— 0° 990	— 0° 501				33601				4779
4780	85° 30	3	99 47 42° 52	— 0° 993	— 0° 481	+ 0° 080	2292		33615	186			4780
4781	90° 57	3	108 50 15° 77	— 0° 996	— 0° 514				33598				4781
4782	90° 29	3	102 54 35° 25	— 1° 031	— 0° 492				33629	198			4782
4783	84° 24	3	102 16 57° 02	— 1° 044	— 0° 489			27	33634				4783
4784	85° 58	3	108 39 38° 54	— 1° 071	— 0° 513				33642			2909	4784
4785	85° 58	3	108 39 28° 74	— 1° 074	— 0° 513							2910	4785
4786	91° 64	3	91 22 15° 45	— 1° 084	— 0° 452				33683	228			4786
4787	91° 93	3	96 8 58° 99	— 1° 106	— 0° 468				33687	231			4787
4788	86° 57	3	102 29 44° 42	— 1° 108	— 0° 490				33675	226			4788
4789	91° 60	3	94 8 54° 00	— 1° 152	— 0° 461					242			4789
4790	85° 95	4	25 38 24° 16	— 1° 160	— 0° 042	— 0° 013	2309	54	33869			2913	4790
4791	87° 55	3	101 19 54° 01	— 1° 202	— 0° 486				33712				4791
4792	84° 24	3	105 52 32° 85	— 1° 208	— 0° 502	+ 0° 060	2296		33708			2914	4792
4793	91° 63	3	110 15 43° 33	— 1° 225	— 0° 518				33709				4793
4794	89° 25	3	99 38 2° 94	— 1° 227	— 0° 480	+ 0° 210							4794
4795	84° 58	3	98 1 35° 38	— 1° 233	— 0° 474				33731	265			4795
4796	88° 66	3	105 16 41° 52	— 1° 288	— 0° 500				33745				4796
4797	86° 61	5	114 57 50° 52	— 1° 290	— 0° 537				33732		9999		4797
4798	87° 49	3	108 54 29° 52	— 1° 304	— 0° 513				33748			2918	4798
4799	91° 90	3	112 17 20° 17	— 1° 358	— 0° 526				33769				4799
4800	83° 27	5	92 55 35° 66	— 1° 365	— 0° 456	+ 0° 677	2298	48	33802	302	10008	2920	4800
4801	91° 13	4	105 8 30° 92	— 1° 393	— 0° 499				33796				4801
4802	90° 60	5	105 8 21° 93	— 1° 393	— 0° 499				33797				4802
4803	89° 88	3	104 26 23° 60	— 1° 399	— 0° 496					303			4803
4804	85° 92	3	97 32 58° 22	— 1° 418	— 0° 472				33815	309			4804
4805	91° 66	3	89 53 38° 44	— 1° 444	— 0° 446				33840				4805
4806	91° 96	3	107 43 47° 17	— 1° 451	— 0° 508								4806
4807	85° 58	3	91 15 15° 11	— 1° 460	— 0° 451				33846	324			4807
4808	84° 60	3	100 16 18° 57	— 1° 482	— 0° 481				33843	325			4808
4809	83° 58	3	102 4 4° 37	— 1° 487	— 0° 488				33845	327			4809
4810	86° 62	3	102 21 14° 62	— 1° 499	— 0° 489				33850	332			4810
4811	91° 63	3	109 26 57° 80	— 1° 536	— 0° 515							2927	4811
4812	82° 65	3	98 59 26° 76	— 1° 541	— 0° 477				33873	339		2930	4812
4813	85° 59	3	102 38 25° 95	— 1° 557	— 0° 490								4813
4814	87° 56	3	92 31 2° 98	— 1° 557	— 0° 455								4814
4815	89° 91	3	91 12 7° 66	— 1° 585	— 0° 450			59	33905	358			4815

4790 is 3890 of the Radcliffe Catalogue, 1845.
 4781, 4784, 4785, 4790, 4800, are respectively 1732, 1734, 1736, 1741, 1742 of the Radcliffe Catalogue, 1860.
 4794. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
4816	Serpentis	7-8	3	87.56	4	18	18	15.078	+ 3.1313	+ 0.0008		4816
4817	Serpentis	7-6	3	83.52	3	18	18	16.454	+ 3.1572	+ 0.0006		4817
4818	Sagittarii	7-8	2	85.67	3	18	18	32.688	+ 3.5208	- 0.0004		4818
4819	Serpentis	8-7	2	87.62	3	18	18	42.840	+ 3.0985	+ 0.0008		4819
4820	Serpentis	6-7	3	84.46	3	18	18	44.769	+ 3.2392	+ 0.0004		4820
4821	21 Sagittarii	5-6	3	83.81	4	18	18	47.864	+ 3.5733	- 0.0006	- 0.0019	4821
4822	Serpentis	9-8	2	85.52	2	18	18	48.134	+ 3.2281	+ 0.0004		4822
4823	Serpentis	8-7	3	85.52	3	18	18	48.334	+ 3.2281	+ 0.0004		4823
4824	Sagittarii	7	4	88.60	3	18	19	0.495	+ 3.4056	- 0.0001		4824
4825	Serpentis	7-6	2	84.62	3	18	19	14.928	+ 3.1106	+ 0.0007		4825
4826	Serpentis	8-9	1	91.58	3	18	19	24.177	+ 3.1868	+ 0.0005		4826
4827	Sagittarii	7	3	85.65	3	18	20	4.557	+ 3.4466	- 0.0003		4827
4828	Aquilæ	7-8	2	91.57	3	18	20	31.584	+ 3.2897	+ 0.0001		4828
4829	Aquilæ	8-9	1	91.93	3	18	20	34.978	+ 3.3415	0.0000		4829
4830	Aquilæ	7	3	85.65	3	18	21	9.904	+ 3.2621	+ 0.0002		4830
4831	22 Sagittarii λ	3	1	85.41	49	18	21	10.820	+ 3.7069	- 0.0014	- 0.0052	4831
4832	Sagittarii	7	3	86.62	4	18	21	12.454	+ 3.4401	- 0.0005		4832
4833	Sagittarii	8	3	91.63	3	18	21	26.537	+ 3.4666	- 0.0005		4833
4834	Sagittarii	7-8	3	86.51	3	18	21	26.711	+ 3.6393	- 0.0012		4834
4835	Sagittarii	7-6	2	84.61	3	18	21	31.233	+ 3.5015	- 0.0006		4835
4836	59 Serpentis d	5-6	1	85.57	3	18	21	34.673	+ 3.0694	+ 0.0007	- 0.0018	4836
4837	43 Draconis φ	4-5*	...	87.55	3	18	22	19.854	- 0.8534	- 0.0110	- 0.0001	4837
4838	Serpentis	8	1	87.62	3	18	22	38.183	+ 3.1640	+ 0.0003	- 0.0140	4838
4839	Sagittarii	4-5	2	83.56	3	18	22	55.701	+ 3.4199	- 0.0006	+ 0.0028	4839
4840	44 Draconis χ	4	1	82.67	9	18	23	2.180	- 1.1943	- 0.0146	+ 0.1129	4840
4841	Sagittarii	8-7	2	91.60	3	18	23	16.990	+ 3.5837	- 0.0012		4841
4842	Sagittarii	7-6	3	84.23	3	18	23	30.365	+ 3.4202	- 0.0006	- 0.0040	4842
4843	Sagittarii	6	2	84.50	3	18	23	43.825	+ 3.5251	- 0.0010		4843
4844	60 Serpentis c	6	2	83.67	3	18	23	57.415	+ 3.1202	+ 0.0004	0.0000	4844
4845	Sagittarii	8	1	91.62	3	18	24	1.268	+ 3.5659	- 0.0011		4845
4846	Aquilæ	7-6	3	82.65	3	18	24	21.434	+ 3.2075	+ 0.0001		4846
4847	Sagittarii	7	3	84.59	3	18	24	51.785	+ 3.5295	- 0.0012	- 0.0103	4847
4848	Sagittarii	7-8	2	86.53	3	18	24	56.956	+ 3.5130	- 0.0011		4848
4849	Sagittarii	5-6	2	82.59	3	18	24	59.457	+ 3.5166	- 0.0011		4849
4850	Aquilæ	7-8	3	86.56	3	18	25	16.991	+ 3.3571	- 0.0005	- 0.0060	4850
4851	Aquilæ	6	2	84.69	3	18	25	19.670	+ 3.3277	- 0.0004		4851
4852	Sagittarii U	Var.	2	88.66	3	18	25	24.478	+ 3.5352	- 0.0012		4852
4853	Serpentis	7	2	85.55	3	18	25	42.571	+ 3.0854	+ 0.0005		4853
4854	Sagittarii	8	3	88.65	3	18	25	44.234	+ 3.5351	- 0.0012		4854
4855	Sagittarii	7-8	2	85.66	3	18	26	0.690	+ 3.5312	- 0.0012		4855
4856	Serpentis	7-8	3	87.61	3	18	26	1.555	+ 3.1304	+ 0.0002		4856
4857	Sagittarii	7	1	90.09	4	18	26	4.227	+ 3.4215	- 0.0009	- 0.0017	4857
4858	Aquilæ	8	1	91.59	3	18	26	9.500	+ 3.2935	- 0.0003		4858
4859	61 Serpentis e	6-7	2	83.49	3	18	26	16.182	+ 3.0975	+ 0.0003	- 0.0007	4859
4860	Sagittarii	6	7	84.03	5	18	26	26.162	+ 3.4269	- 0.0009	- 0.0035	4860

4836. Double : the companion, of the 9 magnitude, precedes, and is north.

4848. This star has been suspected of variability and designated V Sagittarii: but the variation, if sensible, must be very small.

4852. The limits of magnitude are 7.0 and 8.3: the period is 6.7 days.

4853. A star of the 8-7 magnitude, Lalande 34239, precedes, and is 2' north.

4860. Red star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4816	87.56	4	92 31 39.20	-1.595	-0.455								4816
4817	83.52	3	93 38 17.20	-1.597	-0.458				33910	362			4817
4818	85.67	3	108 35 46.89	-1.621	-0.511				33894				4818
4819	87.62	3	91 7 6.50	-1.636	-0.450				33923	376			4819
4820	84.46	3	97 7 59.06	-1.639	-0.470				33933	372			4820
4821	83.81	4	110 35 58.62	-1.643	-0.519	+0.004	2303	58	33904			2935	4821
4822	85.52	2	96 39 43.88	-1.643	-0.469				33938	374			4822
4823	85.52	3	96 39 38.09	-1.643	-0.469				33938	374			4823
4824	88.60	3	104 2 14.97	-1.661	-0.494								4824
4825	84.62	3	91 38 17.58	-1.682	-0.451				33959	391			4825
4826	91.58	3	94 54 17.26	-1.695	-0.462					394			4826
4827	85.65	3	105 41 31.42	-1.755	-0.500				33970				4827
4828	91.57	3	99 15 52.41	-1.794	-0.477					419			4828
4829	91.93	3	101 25 11.65	-1.799	-0.485					420			4829
4830	85.65	3	98 6 17.82	-1.849	-0.473				34034	439			4830
4831	81.90	21	115 28 53.78	-1.851	-0.538	+0.198	2310	66			10049	2943	4831
4832	86.62	4	105 26 21.58	-1.852	-0.499				34023				4832
4833	91.63	3	106 29 34.96	-1.873	-0.503				34033				4833
4834	86.51	3	113 3 57.69	-1.874	-0.528				34020		10051		4834
4835	84.61	3	107 51 58.74	-1.880	-0.508				34035			2944	4835
4836	85.57	3	89 52 6.93	-1.886	-0.445	+0.002	2312	74	34063	453		2947	4836
4837	86.23	6	18 43 14.94	-1.951	+0.125	-0.021	2334	113	34343			2954	4837
4838	87.62	3	93 56 3.39	-1.977	-0.458	+0.260			34118	480			4838
4839	83.56	3	104 38 7.46	-2.003	-0.495	+0.003	2313		34113		10072		4839
4840	81.97	21	17 18 54.08	-2.011	+0.174	+0.374	2337	119	34392				4840
4841	91.60	3	111 1 20.73	-2.034	-0.519				34117				4841
4842	84.09	4	104 39 12.76	-2.053	-0.495	-0.045	2314		34134				4842
4843	84.50	3	108 47 51.63	-2.073	-0.510			82	34138			2956	4843
4844	83.67	3	92 3 20.66	-2.092	-0.452	+0.025	2317	86	34167			2958	4844
4845	91.62	3	110 21 35.51	-2.098	-0.516				34150				4845
4846	82.65	3	95 47 47.18	-2.127	-0.464				34178	523			4846
4847	84.59	3	108 58 40.13	-2.172	-0.511	+0.202		88	34183			2959	4847
4848	86.53	3	108 20 15.50	-2.179	-0.508			91	34186				4848
4849	82.59	3	108 28 37.81	-2.182	-0.509			92	34188			2960	4849
4850	86.56	3	102 5 26.54	-2.208	-0.486	+0.170			34215	547			4850
4851	84.69	3	100 52 16.21	-2.212	-0.481				34218	550			4851
4852	88.66	3	109 12 3.94	-2.218	-0.511			94	34207				4852
4853	85.55	3	90 33 28.02	-2.245	-0.446				34248				4853
4854	88.65	3	109 12 3.36	-2.247	-0.511				34221				4854
4855	85.66	3	109 3 0.94	-2.272	-0.511			95					4855
4856	87.60	4	92 29 44.27	-2.273	-0.453					574			4856
4857	90.09	4	104 43 17.29	-2.276	-0.495	-0.010	2320			564			4857
4858	91.59	3	99 26 52.07	-2.284	-0.476				34253	572			4858
4859	83.49	3	91 4 49.14	-2.293	-0.448	0.000	2325	104		580			4859
4860	84.03	5	104 56 39.09	-2.308	-0.495	-0.020	2323	101	34257			2964	4860

4831, 4837, 4840, are respectively 3909, 3933, 3941 of the Radcliffe Catalogue, 1845.
 4831, 4836, 4840, 4847, 4852, are respectively 1751, 1753, 1759, 1758, 1760 of the Radcliffe Catalogue, 1860.
 4838, 4850. The Proper Motions have been determined in the formation of the present Catalogue.
 4847. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
4861	Sagittarii	7	2	84.61	3	18	26	43.406	+ 3.5154	- 0.0013		4861
4862	Aquilæ	8	2	91.59	3	18	27	1.891	+ 3.3931	- 0.0008		4862
4863	24 Sagittarii	6-7	2	82.57	6	18	27	10.132	+ 3.6667	- 0.0021	- 0.0022	4863
4864	Aquilæ	7	3	85.57	3	18	27	15.706	+ 3.1943	0.0000		4864
4865	Sagittarii	6-7	4	84.34	3	18	27	21.902	+ 3.4265	- 0.0010	- 0.0025	4865
4866	Aquilæ	7-6	2	84.56	3	18	27	29.345	+ 3.2118	- 0.0002		4866
4867	25 Sagittarii	7	3	86.58	3	18	27	48.901	+ 3.6718	- 0.0022	0.0000	4867
4868	Sagittarii	9-8	6	86.68	3	18	28	2.277	+ 3.6256	- 0.0020		4868
4869	Aquilæ	7-8	2	85.64	3	18	28	14.395	+ 3.2541	- 0.0003		4869
4870	Sagittarii	7-8	3	87.50	3	18	28	45.003	+ 3.4798	- 0.0014		4870
4871	Sagittarii	7-6	2	84.95	3	18	28	47.382	+ 3.5797	- 0.0019		4871
4872	Sagittarii	7	1	89.62	3	18	28	54.292	+ 3.5383	- 0.0016		4872
4873	Aquilæ	6-5	3	83.66	3	18	28	55.417	+ 3.3318	- 0.0007	+ 0.0016	4873
4874	Sagittarii	7-8	3	85.53	3	18	29	9.583	+ 3.5197	- 0.0016		4874
4875	1 Aquilæ	4-3	10	82.65	3	18	29	13.194	+ 3.2664	- 0.0005	- 0.0029	4875
4876	Aquilæ	9-8	3	91.62	3	18	29	29.638	+ 3.2961	- 0.0006		4876
4877	Aquilæ	7	2	86.63	3	18	30	12.399	+ 3.2312	- 0.0004		4877
4878	Sagittarii	7	2	86.52	3	18	30	27.627	+ 3.4533	- 0.0014		4878
4879	Aquilæ	7-8	2	88.61	3	18	30	37.085	+ 3.1805	- 0.0002	0.0000	4879
4880	Aquilæ	8-7	2	87.61	3	18	31	12.639	+ 3.1816	- 0.0003		4880
4881	Sagittarii	6-7	4	82.21	5	18	31	19.174	+ 3.5939	- 0.0022	- 0.0044	4881
4882	Aquilæ	7	1	86.69	3	18	31	23.133	+ 3.3647	- 0.0010		4882
4883	Draconis	5-6*	...	80.59	3	18	31	27.066	+ 1.3612	+ 0.0002		4883
4884	Sagittarii	7	3	88.54	3	18	31	28.115	+ 3.4856	- 0.0016		4884
4885	Aquilæ	7-6	4	85.09	4	18	31	44.021	+ 3.1422	- 0.0001		4885
4886	Sagittarii	6	...	80.56	6	18	31	49.221	+ 3.6509	- 0.0026	- 0.0024	4886
4887	Sagittarii	7	3	84.60	3	18	31	49.894	+ 3.4050	- 0.0014		4887
4888	Aquilæ	7	3	85.63	3	18	31	55.044	+ 3.1860	- 0.0004		4888
4889	Serpentis	6	3	84.51	3	18	31	56.815	+ 3.0818	+ 0.0001		4889
4890	Serpentis	7	1	83.55	3	18	32	12.306	+ 3.1345	- 0.0001		4890
4891	Sagittarii	7-6	2	82.16	4	18	32	19.661	+ 3.5843	- 0.0023	- 0.0076	4891
4892	Sagittarii	7	3	86.53	3	18	32	21.516	+ 3.6419	- 0.0027	- 0.0016	4892
4893	Aquilæ	7-6	2	84.63	3	18	32	37.366	+ 3.1486	- 0.0002		4893
4894	Serpentis	7-6	3	84.33	3	18	32	38.173	+ 3.1004	0.0000		4894
4895	Aquilæ	8	2	91.57	3	18	32	44.410	+ 3.2136	- 0.0006		4895
4896	Sagittarii	7-8	5	85.93	4	18	32	45.249	+ 3.4304	- 0.0016	- 0.0030	4896
4897	3 Lyræ α	1*	...	86.14	21	18	33	12.812	+ 2.0134	+ 0.0016	+ 0.0173	4897
4898	Sagittarii	7	3	85.58	3	18	33	22.076	+ 3.5583	- 0.0022		4898
4899	Aquilæ	7	1	87.57	3	18	33	30.493	+ 3.1198	- 0.0002		4899
4900	Aquilæ	7-8	2	91.63	3	18	33	50.160	+ 3.3344	- 0.0011		4900
4901	Aquilæ	6-7	4	82.67	3	18	34	2.450	+ 3.2557	- 0.0007		4901
4902	Aquilæ	8	3	91.66	3	18	34	56.673	+ 3.4011	- 0.0016		4902
4903	Aquilæ	7-8	4	89.60	3	18	34	57.676	+ 3.1787	- 0.0006		4903
4904	26 Sagittarii	7-6	2	83.92	3	18	35	8.970	+ 3.6589	- 0.0031	+ 0.0006	4904
4905	Sagittarii	9-8	3	91.64	3	18	35	10.940	+ 3.5041	- 0.0022		4905

4866. The magnitude and R.A. of this star agree closely with those of Lalande 34313, but the N.P.D. is 1° smaller. The N.P.D. of this star in Weisse's Bessel is 2' too small.

4883. A faint star, Lalande 34579, precedes by about 3s, and is nearly on the same parallel. 4868. The magnitude assigned to this star in Lalande is 6½.

4885. Two stars of about the 10 magnitude precede by a few seconds, and are 1½ north.

4896. Reddish star. 4888. Lalande's N.P.D. is about 30" too small.

4897. This star in the Harvard Photometry is brighter by 0.8 than the unit magnitude.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4861	84°61	3	108 26 52.30	— 2.332	— 0.508			102	34263				4861
4862	91°59	3	103 34 26.95	— 2.360	— 0.490								4862
4863	82°27	7	114 6 48.54	— 2.371	— 0.530	— 0.004	2324	105	34269		10107	2965	4863
4864	85°57	3	95 14 33.31	— 2.380	— 0.462				34307	599			4864
4865	84°34	3	104 56 3.69	— 2.389	— 0.495	— 0.010	2327	107	34297	595		2966	4865
4866	84°56	3	95 59 31.41	— 2.399	— 0.464				34313	606			4866
4867	86°58	3	114 18 19.48	— 2.428	— 0.531	— 0.028	2326	108	34300		10110		4867
4868	86°68	3	112 37 46.86	— 2.447	— 0.524				34311				4868
4869	85°64	3	97 47 43.33	— 2.464	— 0.470								4869
4870	87°50	3	107 4 13.87	— 2.509	— 0.502			111	34339				4870
4871	84°95	3	110 55 32.52	— 2.512	— 0.517			110	34336				4871
4872	89°62	3	109 21 13.62	— 2.522	— 0.511			112					4872
4873	83°66	3	101 3 44.68	— 2.523	— 0.481	+ 0.003	2329	114	34356	638			4873
4874	85°53	3	108 38 12.50	— 2.545	— 0.508				34354		10117		4874
4875	82°65	3	98 19 12.25	— 2.549	— 0.471	+ 0.307	2330	115	34374			2969	4875
4876	91°62	3	99 34 26.43	— 2.574	— 0.476					654			4876
4877	86°63	3	96 49 46.39	— 2.635	— 0.466			123	34423	671			4877
4878	86°52	3	106 2 5.51	— 2.658	— 0.498				34420				4878
4879	88°61	3	94 39 29.70	— 2.671	— 0.459	+ 0.170			34442	688			4879
4880	87°61	3	94 42 24.57	— 2.723	— 0.459				34464	699			4880
4881	82°21	5	111 29 15.61	— 2.732	— 0.518	+ 0.060	2332	125	34444			2974	4881
4882	86°69	3	102 26 24.48	— 2.738	— 0.485				34460	698			4882
4883	80°59	3	37 44 0.31	— 2.743	— 0.195				34580			2979	4883
4884	88°54	3	107 19 24.88	— 2.745	— 0.502			128	34452				4884
4885	84°81	5	93 0 44.16	— 2.768	— 0.453					717			4885
4886	80°56	6	113 35 52.13	— 2.775	— 0.526	+ 0.009	2333	129	34461		10145		4886
4887	84°60	3	104 5 52.39	— 2.776	— 0.491				34476	711			4887
4888	85°63	3	94 54 2.15	— 2.784	— 0.459				34492	720			4888
4889	84°51	3	90 24 4.72	— 2.787	— 0.444				34499			2980	4889
4890	83°55	3	92 40 59.17	— 2.808	— 0.451				34505	729			4890
4891	82°16	4	111 8 31.10	— 2.820	— 0.516	+ 0.150	2335	131	34488			2981	4891
4892	86°53	3	113 16 36.55	— 2.822	— 0.525	— 0.001			34483		10151		4892
4893	84°63	3	93 17 20.92	— 2.844	— 0.453				34524				4893
4894	84°33	3	91 12 26.97	— 2.846	— 0.446				34527	745			4894
4895	91°57	3	96 5 6.58	— 2.854	— 0.463					744			4895
4896	85°93	4	105 8 5.16	— 2.856	— 0.494	— 0.020			34512	737			4896
4897	82°31	42	51 19 5.79	— 2.896	— 0.289	— 0.295	2341	143	34598		10163	2984	4897
4898	85°58	3	110 10 3.71	— 2.909	— 0.512								4898
4899	87°57	3	92 2 50.92	— 2.921	— 0.449			138		774			4899
4900	91°63	3	101 12 10.50	— 2.950	— 0.480					779			4900
4901	82°67	4	97 53 17.68	— 2.967	— 0.468				34569	784			4901
4902	91°66	3	103 57 52.17	— 3.046	— 0.489					802			4902
4903	89°60	3	94 35 48.37	— 3.048	— 0.457								4903
4904	83°92	3	113 56 6.06	— 3.065	— 0.526	+ 0.015	2338	141	34587		10174	2985	4904
4905	91°64	3	108 5 24.27	— 3.066	— 0.504								4905

4883, 4897, are respectively 3983, 3993 of the Radcliffe Catalogue, 1845.
 4867, 4875, 4881, 4891, 4897, are respectively 1763, 1764, 1765, 1768, 1771 of the Radcliffe Catalogue, 1860.
 4879, 4896. The Proper Motions have been determined in the formation of the present Catalogue.
 4892 is 3249 of Auwer's "Neue Reduction der Bradley'schen Beobachtungen."

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
4906	Sagittarii	7	3	83.93	3	18	35	26.507	+ 3.4182	— 0.0017	— 0.0030	4906
4907	Sagittarii	7-8	3	89.35	3	18	35	47.529	+ 3.4791	— 0.0021		4907
4908	Aquilæ	7-6	2	84.63	3	18	35	47.765	+ 3.1468	— 0.0005		4908
4909	Sagittarii	7-8	3	86.54	3	18	35	53.530	+ 3.5640	— 0.0026		4909
4910	2 Aquilæ	5-6	5	88.27	37	18	36	15.026	+ 3.2853	— 0.0011	— 0.0004	4910
4911	Sagittarii	7-8	4	85.62	3	18	36	21.273	+ 3.4417	— 0.0020		4911
4912	Sagittarii	7	3	84.62	3	18	36	26.136	+ 3.5370	— 0.0025		4912
4913	Aquilæ	6-7	3	84.95	3	18	36	39.907	+ 3.2387	— 0.0009		4913
4914	Sagittarii	8-7	3	91.93	3	18	36	42.104	+ 3.6197	— 0.0031		4914
4915	Aquilæ	7	3	87.55	3	18	37	24.253	+ 3.3395	— 0.0015		4915
4916	Aquilæ	8-7	1	91.66	3	18	37	31.277	+ 3.2066	— 0.0008		4916
4917	3 Aquilæ	5	1	82.98	3	18	37	31.734	+ 3.2669	— 0.0011	— 0.0004	4917
4918	Aquilæ	7-8	3	83.93	3	18	37	34.544	+ 3.2690	— 0.0011		4918
4919	Aquilæ	8-7	3	86.66	3	18	37	35.516	+ 3.1129	— 0.0004		4919
4920	Sagittarii	7	2	84.61	4	18	37	39.760	+ 3.5376	— 0.0027		4920
4921	Aquilæ	7	4	86.54	3	18	37	55.138	+ 3.1109	— 0.0003		4921
4922	Aquilæ	7-6	3	83.92	3	18	37	55.392	+ 3.2327	— 0.0009		4922
4923	Sagittarii	6	...	80.55	6	18	38	3.723	+ 3.6907	— 0.0037		4923
4924	Aquilæ	8	1	87.60	3	18	38	14.242	+ 3.1226	— 0.0004		4924
4925	Aquilæ	7-8	4	86.56	3	18	38	30.587	+ 3.1108	— 0.0003		4925
4926	Aquilæ	8-7	2	88.62	3	18	38	36.937	+ 3.2395	— 0.0011		4926
4927	Sagittarii	7	1	85.32	3	18	38	44.545	+ 3.5813	— 0.0031		4927
4928	Aquilæ	7-6	8	89.34	4	18	38	45.967	+ 3.2261	— 0.0010		4928
4929	Aquilæ	7	3	86.63	3	18	38	56.743	+ 3.3421	— 0.0016		4929
4930	Sagittarii	7-8	3	91.63	3	18	39	13.102	+ 3.4919	— 0.0025		4930
4931	Aquilæ	7	3	84.53	3	18	39	16.736	+ 3.0836	— 0.0003		4931
4932	Aquilæ	7-6	...	90.24	3	18	39	23.320	+ 3.3694	— 0.0018		4932
4933	Sagittarii	7	3	84.01	3	18	39	31.392	+ 3.5446	— 0.0029		4933
4934	Aquilæ	8-9	2	91.60	3	18	39	40.344	+ 3.1495	— 0.0007		4934
4935	28 Sagittarii	6-5	2	86.58	3	18	39	42.447	+ 3.6181	— 0.0035	— 0.0001	4935
4936	Aquilæ	9-8	5	90.60	3	18	39	46.144	+ 3.3191	— 0.0015		4936
4937	Aquilæ	8-7	5	89.90	3	18	39	46.283	+ 3.3191	— 0.0015		4937
4938	Aquilæ	8-7	3	89.67	3	18	39	58.408	+ 3.3142	— 0.0015		4938
4939	Sagittarii	7	2	85.67	3	18	40	31.134	+ 3.4146	— 0.0022	— 0.0030	4939
4940	Aquilæ	7	...	90.00	3	18	40	37.663	+ 3.2630	— 0.0013		4940
4941	Aquilæ	6-7	2	84.69	3	18	40	39.265	+ 3.3102	— 0.0015		4941
4942	5 Aquilæ	6-7	3	85.59	3	18	40	47.588	+ 3.0972	— 0.0005	— 0.0005	4942
4943	Aquilæ	7-8	3	85.59	3	18	40	48.531	+ 3.0973	— 0.0005		4943
4944	Aquilæ	7-8	3	87.59	3	18	41	14.987	+ 3.2111	— 0.0011		4944
4945	6 Aquilæ	4	4	82.65	4	18	41	20.231	+ 3.1844	— 0.0010	— 0.0024	4945
4946	Sagittarii	7-8	2	87.54	3	18	41	20.675	+ 3.5614	— 0.0032	— 0.0011	4946
4947	Aquilæ	8-7	1	92.58	3	18	41	35.138	+ 3.3628	— 0.0019		4947
4948	Aquilæ	Var.	2	84.36	3	18	41	36.603	+ 3.2066	— 0.0011		4948
4949	Sagittarii	7	2	89.97	3	18	41	44.789	+ 3.5334	— 0.0031		4949
4950	Sagittarii	7	3	89.98	3	18	41	55.981	+ 3.4205	— 0.0024		4950

4926. Lalande's N. P. D. appears to be about 30" too small.

30' too great: see *Histoire Céleste*, page 235.

4936, 4937. The N. P. D. of the common mass of these two stars in Bailey's Lalande is 2' too small: see *Histoire Céleste*, page 296.

4938. A star, Lalande 34811, follows about 20s, and is 2½ south.

limits of magnitude are 4.7 and 9.0: the period is 71 days.

4928. Reddish-yellow star.

The N. P. D. of this star in Bailey's Lalande is

4932. A fainter star, Lalande 34753, precedes about 14s on the same parallel.

4948. This star is designated R Scuti in Chandler's Catalogue.

The N. P. D. of this star in Weisse's Bessel is 20' too small.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4906	83.93	3	104 40 0.84	— 3.089	— 0.491	0.000		144		815			4906
4907	89.35	3	107 6 51.85	— 3.120	— 0.500				34621				4907
4908	84.63	3	93 13 17.04	— 3.120	— 0.452				34638	835			4908
4909	86.54	3	110 24 56.19	— 3.127	— 0.512				34619				4909
4910	85.60	6	99 9 25.10	— 3.159	— 0.472	— 0.005	2342	149	34647	844	10181	2988	4910
4911	85.62	3	105 37 32.50	— 3.167	— 0.494				34644				4911
4912	84.62	3	109 23 19.99	— 3.174	— 0.508								4912
4913	84.95	3	97 10 43.36	— 3.195	— 0.465				34664	854			4913
4914	91.93	3	112 31 1.96	— 3.197	— 0.520								4914
4915	87.55	3	101 26 39.89	— 3.258	— 0.479				34679	874			4915
4916	91.66	3	95 48 11.23	— 3.268	— 0.460								4916
4917	82.98	3	98 23 0.86	— 3.269	— 0.469	— 0.017	2343	157	34687	879	10193	2992	4917
4918	83.93	3	98 28 31.85	— 3.274	— 0.469			158	34689	885			4918
4919	86.66	3	91 45 10.67	— 3.274	— 0.447				34701	889			4919
4920	84.60	3	109 25 37.61	— 3.281	— 0.508								4920
4921	86.54	3	91 40 2.05	— 3.303	— 0.446				34715	901			4921
4922	83.92	3	96 55 31.24	— 3.303	— 0.464				34709	897			4922
4923	80.55	7	115 7 13.05	— 3.315	— 0.529			155	34685		10197	2994	4923
4924	87.60	3	92 10 40.81	— 3.330	— 0.448								4924
4925	86.56	3	91 39 50.18	— 3.354	— 0.446				34740	918			4925
4926	88.62	3	97 13 16.06	— 3.363	— 0.464				34734				4926
4927	85.32	3	111 6 44.38	— 3.374	— 0.513				34717				4927
4928	89.34	4	96 38 49.09	— 3.376	— 0.462				34746				4928
4929	86.63	3	101 33 56.83	— 3.392	— 0.479				34745	921			4929
4930	91.63	3	107 39 25.87	— 3.415	— 0.500				34749				4930
4931	84.53	3	90 29 5.11	— 3.420	— 0.442				34779	942			4931
4932	90.24	3	102 42 1.94	— 3.429	— 0.483				34764				4932
4933	84.01	3	109 43 12.83	— 3.440	— 0.508			162	34755				4933
4934	91.60	3	93 20 39.72	— 3.453	— 0.451			168	34791	952			4934
4935	86.58	3	112 30 22.95	— 3.456	— 0.518	+ 0.011	2345	164	34761				4935
4936	90.08	4	100 36 18.42	— 3.462	— 0.475				34784	948			4936
4937	89.90	3	100 36 22.02	— 3.462	— 0.475				34784	949			4937
4938	89.67	3	100 24 14.96	— 3.479	— 0.475				34798	955			4938
4939	85.67	3	104 34 23.71	— 3.527	— 0.489	+ 0.230			34812	964			4939
4940	90.00	3	98 14 8.57	— 3.537	— 0.467				34823				4940
4941	84.69	3	100 14 27.74	— 3.538	— 0.474				34822	970		3002	4941
4942	85.59	3	91 4 36.24	— 3.551	— 0.443	+ 0.033	2349	176	34839	981		3003	4942
4943	85.59	3	91 4 43.25	— 3.552	— 0.443				34841	982		3004	4943
4944	87.59	3	96 0 55.69	— 3.590	— 0.459				34857	991			4944
4945	82.66	3	94 51 53.84	— 3.597	— 0.455	+ 0.017	2350	177	34866			3009	4945
4946	87.54	3	110 23 33.82	— 3.598	— 0.509	+ 0.030	2347	175	34833			3008	4946
4947	92.58	3	102 26 52.85	— 3.619	— 0.481					993			4947
4948	84.36	3	95 49 20.83	— 3.621	— 0.458				34875	996		3010	4948
4949	89.97	3	109 19 5.78	— 3.633	— 0.505				34860				4949
4950	89.98	3	104 49 37.95	— 3.649	— 0.489					997			4950

4910, 4923, 4942, 4943, 4946, 4948, are respectively 1774, 1776, 1780, 1781, 1782, 1790 of the Radcliffe Catalogue, 1860.
 4906, 4939. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
4951	Aquilæ	7-8	1	86.51	3	18	42	12.885	+ 3.3402	- 0.0018		4951
4952	Sagittarii	7	3	85.60	3	18	42	18.544	+ 3.5179	- 0.0030		4952
4953	Sagittarii	8-7	3	85.60	3	18	42	21.998	+ 3.5187	- 0.0030		4953
4954	Aquilæ	7	3	83.55	3	18	42	46.009	+ 3.2135	- 0.0012		4954
4955	Sagittarii	7-8	2	86.62	3	18	43	6.905	+ 3.4701	- 0.0028		4955
4956	Sagittarii	7-8	2	92.58	3	18	43	7.061	+ 3.5315	- 0.0032		4956
4957	29 Sagittarii	6-5	2	86.69	3	18	43	8.377	+ 3.5622	- 0.0034	- 0.0017	4957
4958	Aquilæ	7-6	4	89.91	3	18	43	20.545	+ 3.2672	- 0.0016		4958
4959	Aquilæ	7-6	...	83.65	3	18	43	47.736	+ 3.2113	- 0.0013		4959
4960	30 Sagittarii	7-6	1	88.66	3	18	44	13.887	+ 3.6103	- 0.0041	- 0.0060	4960
4961	Aquilæ	7-6	3	84.94	3	18	44	18.184	+ 3.3923	- 0.0024		4961
4962	Aquilæ	7	3	87.59	3	18	44	21.409	+ 3.1584	- 0.0011		4962
4963	Aquilæ	7-6	2	89.94	3	18	44	21.636	+ 3.2576	- 0.0016		4963
4964	Aquilæ	6-7	2	86.61	3	18	44	55.380	+ 3.3014	- 0.0019		4964
4965	Sagittarii	7	2	89.63	3	18	44	57.061	+ 3.4804	- 0.0031		4965
4966	7 Aquilæ	7	2	89.96	3	18	45	19.294	+ 3.1501	- 0.0011	- 0.0040	4966
4967	31 Sagittarii	7	1	84.66	3	18	45	31.761	+ 3.6033	- 0.0040	- 0.0008	4967
4968	8 Aquilæ	7-6	1	82.69	3	18	45	35.596	+ 3.1514	- 0.0011	- 0.0012	4968
4969	10 Lyræ β	Var.	...	88.44	5	18	46	1.138	+ 2.2141	+ 0.0014	- 0.0007	4969
4970	Aquilæ	8	3	91.62	3	18	46	8.649	+ 3.3453	- 0.0023		4970
4971	Sagittarii	7	1	86.98	3	18	46	39.735	+ 3.5174	- 0.0036		4971
4972	Sagittarii	7-8	3	87.60	3	18	46	39.826	+ 3.4606	- 0.0031		4972
4973	Aquilæ	8-7	4	91.69	3	18	46	52.504	+ 3.2097	- 0.0015		4973
4974	Aquilæ	9-8	3	91.63	3	18	46	56.747	+ 3.1267	- 0.0010		4974
4975	Aquilæ	7-6	3	84.61	3	18	46	58.972	+ 3.2964	- 0.0020		4975
4976	Sagittarii	7-8	2	89.31	3	18	47	18.584	+ 3.5470	- 0.0039	+ 0.0010	4976
4977	Aquilæ	7-8	...	91.67	3	18	47	21.070	+ 3.1839	- 0.0013		4977
4978	Aquilæ	8	1	91.66	3	18	47	21.430	+ 3.0743	- 0.0007		4978
4979	33 Sagittarii	6	3	85.63	3	18	47	25.496	+ 3.5877	- 0.0041	- 0.0017	4979
4980	32 Sagittarii ν^1	5	1	83.99	3	18	47	31.599	+ 3.6246	- 0.0046	- 0.0028	4980
4981	Sagittarii	6	2	85.99	3	18	48	24.792	+ 3.4409	- 0.0032		4981
4982	34 Sagittarii σ	2-3*	...	90.23	3	18	48	26.555	+ 3.7223	- 0.0055	- 0.0012	4982
4983	35 Sagittarii ν^2	5*	...	90.01	3	18	48	28.065	+ 3.6221	- 0.0046	+ 0.0050	4983
4984	Draconis	6*	...	90.35	3	18	48	31.023	- 1.4729	- 0.0416		4984
4985	Aquilæ	7-8	4	85.96	3	18	48	49.773	+ 3.3183	- 0.0023		4985
4986	Sagittarii	7-8	3	89.31	3	18	48	59.605	+ 3.4184	- 0.0031		4986
4987	Aquilæ	8-9	1	91.64	3	18	49	4.836	+ 3.2782	- 0.0021		4987
4988	Sagittarii	6*	...	82.97	3	18	49	10.787	+ 3.4596	- 0.0033	- 0.0040	4988
4989	Sagittarii	6-7	2	86.67	3	18	49	20.936	+ 3.6353	- 0.0049		4989
4990	Sagittarii	8-9	5	87.54	3	18	49	23.535	+ 3.5138	- 0.0038		4990
4991	Sagittarii	7	1	83.62	3	18	49	23.958	+ 3.4590	- 0.0034		4991
4992	47 Draconis θ	5-4*	...	90.64	3	18	49	34.558	+ 0.8775	- 0.0045	+ 0.0090	4992
4993	Sagittarii	7-8	3	87.61	3	18	49	47.579	+ 3.5182	- 0.0039		4993
4994	Aquilæ	7-8	6	91.84	4	18	49	52.739	+ 3.2777	- 0.0021		4994
4995	Aquilæ	7	4	86.56	3	18	50	16.393	+ 3.3371	- 0.0025		4995

4954. A star of the 9 magnitude precedes, and is north.

4959. The R.A. of this star in Weisse's Bessel is 4^s too small.

4962. Reddish star.

4963. Very red star.

4972. A star of the 9-10 magnitude follows about 20^s.

4990. The magnitude assigned to this star by Gould is 6.9, by Argelander (Bonn Obs., Vol. VI) 7.5, and by Schönfeld 8.5.

4957. Red star.

A fainter star, Lalande 34985, follows about 1^s.5, and is nearly 2' south.

4969. The limits of magnitude are 3.4 and 4.5: the period is 13 days.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4951	86°51	3	101 30 38.77	— 3.673	— 0.477				34895	1006			4951
4952	85°60	3	108 43 19.60	— 3.682	— 0.503				34884				4952
4953	85°60	3	108 45 10.94	— 3.686	— 0.503				34889				4953
4954	83°55	3	96 7 36.01	— 3.720	— 0.459				34929	1020			4954
4955	86°62	3	106 50 44.30	— 3.750	— 0.496				34923				4955
4956	92°58	3	109 15 56.05	— 3.750	— 0.504				34916				4956
4957	86°69	3	110 26 55.03	— 3.752	— 0.509	— 0.043	2352	185	34915			3016	4957
4958	89°91	3	98 26 4.30	— 3.771	— 0.466				34953				4958
4959	83°65	3	96 2 11.13	— 3.809	— 0.458			197	34984	1056			4959
4960	88°66	3	112 17 13.98	— 3.846	— 0.515	+ 0.028	2353	196	34979				4960
4961	84°94	3	103 41 52.58	— 3.852	— 0.484				34992	1064			4961
4962	87°59	3	93 44 45.51	— 3.856	— 0.450				35011	1071			4962
4963	89°94	3	98 1 58.73	— 3.858	— 0.465								4963
4964	86°61	3	99 54 4.57	— 3.905	— 0.471			201	35021				4964
4965	89°63	3	107 16 54.86	— 3.908	— 0.496								4965
4966	89°96	3	93 23 14.59	— 3.939	— 0.449	+ 0.065	2361	205	35054	1098			4966
4967	84°66	3	112 2 59.08	— 3.958	— 0.514	+ 0.033	2359	202	35030				4967
4968	82°69	3	93 26 45.67	— 3.964	— 0.449	+ 0.020	2362	206	35059	1105			4968
4969	80°64	12	56 45 51.76	— 3.999	— 0.315	— 0.017	2369	215	35134		10270	3025	4969
4970	91°62	3	101 45 46.26	— 4.011	— 0.476				35071	1113			4970
4971	86°98	3	108 46 6.59	— 4.055	— 0.501				35076				4971
4972	87°60	3	106 30 47.87	— 4.055	— 0.493				35080				4972
4973	91°69	3	95 58 52.56	— 4.074	— 0.456				35102	1136			4973
4974	91°63	3	92 22 21.06	— 4.079	— 0.445					1142			4974
4975	84°61	3	99 42 30.77	— 4.082	— 0.469					1138			4975
4976	89°31	3	109 55 50.81	— 4.111	— 0.505	+ 0.070			35098				4976
4977	91°67	3	94 51 55.42	— 4.114	— 0.453				35129	1148			4977
4978	91°66	3	90 4 49.77	— 4.114	— 0.437				35146	1154			4978
4979	85°63	3	111 29 36.95	— 4.119	— 0.510	— 0.016	2363	210			10278	3028	4979
4980	83°99	3	112 52 45.60	— 4.129	— 0.516	+ 0.019	2364	211	35104				4980
4981	85°99	3	105 44 22.47	— 4.205	— 0.489				35162			3030	4981
4982	86°88	3	116 25 57.70	— 4.208	— 0.529	+ 0.067	2365	218	35149		10284	3029	4982
4983	90°01	3	112 48 28.75	— 4.209	— 0.515	+ 0.010	2366	219	35156		10287		4983
4984	80°61	4	16 2 31.68	— 4.213	+ 0.212				35475			3033	4984
4985	85°96	3	100 39 10.52	— 4.241	— 0.471				35198	1189			4985
4986	89°31	3	104 49 48.26	— 4.255	— 0.485				35212	1190			4986
4987	91°64	3	98 56 54.31	— 4.262	— 0.465					1196			4987
4988	82°97	3	106 30 34.78	— 4.271	— 0.491	+ 0.190		225	35201		10294	3032	4988
4989	86°67	3	113 18 45.60	— 4.285	— 0.516								4989
4990	87°54	3	108 40 22.09	— 4.289	— 0.499							3034	4990
4991	83°62	3	106 29 13.80	— 4.289	— 0.491								4991
4992	85°85	3	30 44 45.46	— 4.305	— 0.123	— 0.023	2386	249					4992
4993	87°61	3	108 50 57.40	— 4.323	— 0.499					1217			4993
4994	91°93	3	98 56 4.90	— 4.330	— 0.465				35249	1224			4994
4995	86°56	3	101 27 49.30	— 4.363	— 0.473								4995

4969, 4980, 4982, 4984, 4988, 4992, are respectively 4082, 4089, 4095, 4124, 4101, 4119 of the Radcliffe Catalogue, 1845.
 4969, 4980, 4982, 4988, are respectively 1797, 1799, 1800, 1801 of the Radcliffe Catalogue, 1860.
 4976, 4988. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
4996	Sagittarii	7	2	89.94	3	18 50 21.201	+ 3.4860	— 0.0036		4996
4997	Sagittarii	7-8	3	89.27	3	18 50 29.713	+ 3.4220	— 0.0032		4997
4998	Aquilæ	6-7	2	86.68	3	18 50 39.954	+ 3.1168	— 0.0011		4998
4999	36 Sagittarii ξ^1	6-5	1	84.00	3	18 50 48.074	+ 3.5679	— 0.0044	— 0.0033	4999
5000	Aquilæ	8-9	3	91.68	3	18 50 53.539	+ 3.2345	— 0.0019		5000
5001	Sagittarii	7	...	89.64	3	18 51 7.693	+ 3.5290	— 0.0041		5001
5002	37 Sagittarii ξ^2	4	3	84.53	3	18 51 9.939	+ 3.5795	— 0.0045	— 0.0005	5002
5003	9 Aquilæ	6-5	3	86.30	3	18 51 10.208	+ 3.2093	— 0.0017	+ 0.0026	5003
5004	Aquilæ	8	2	91.64	3	18 51 13.895	+ 3.3794	— 0.0030		5004
5005	Sagittarii	7-6	...	83.92	3	18 51 35.731	+ 3.6808	— 0.0055		5005
5006	Sagittarii	7-6	4	82.65	3	18 51 47.140	+ 3.6168	— 0.0050		5006
5007	Aquilæ	8	1	92.27	3	18 51 56.558	+ 3.0877	— 0.0010		5007
5008	Aquilæ	7-8	1	83.95	3	18 52 51.066	+ 3.3667	— 0.0029		5008
5009	Sagittarii	7-6	1	89.32	3	18 52 55.553	+ 3.5315	— 0.0044		5009
5010	Sagittarii	7-6	1	84.60	3	18 53 0.485	+ 3.5133	— 0.0042		5010
5011	Aquilæ	7-8	3	88.24	3	18 53 2.919	+ 3.1835	— 0.0017		5011
5012	Aquilæ	6	2	84.59	3	18 53 12.900	+ 3.3726	— 0.0030		5012
5013	Aquilæ	8	...	91.68	3	18 53 21.865	+ 3.3190	— 0.0026		5013
5014	Aquilæ	8-7	1	90.67	4	18 53 52.224	+ 3.1403	— 0.0015		5014
5015	Sagittarii	8	3	91.63	3	18 54 2.138	+ 3.4858	— 0.0041		5015
5016	Aquilæ	8-7	1	89.87	4	18 54 12.570	+ 2.7247	+ 0.0005		5016
5017	Aquilæ	8-7	2	87.64	3	18 54 32.947	+ 3.2443	— 0.0022		5017
5018	13 Aquilæ ϵ	4	4	85.00	53	18 54 37.801	+ 2.7264	+ 0.0005	— 0.0049	5018
5019	Sagittarii	7-6	4	85.63	4	18 54 59.753	+ 3.6197	— 0.0054		5019
5020	Aquilæ	7-8	1	87.22	5	18 55 5.758	+ 3.0863	— 0.0012		5020
5021	Sagittarii	7-6	2	84.63	3	18 55 16.151	+ 3.4310	— 0.0037		5021
5022	Aquilæ	7-6	3	89.60	3	18 55 20.131	+ 3.1768	— 0.0018		5022
5023	12 Aquilæ	4	2	82.69	4	18 55 48.381	+ 3.2064	— 0.0021	— 0.0048	5023
5024	Sagittarii	8	1	91.66	3	18 56 12.441	+ 3.4630	— 0.0041		5024
5025	Aquilæ	7	4	85.58	3	18 56 28.903	+ 3.3217	— 0.0029		5025
5026	Sagittarii	6-7	4	86.57	3	18 56 35.761	+ 3.5291	— 0.0048		5026
5027	Sagittarii	7-6	4	86.52	3	18 56 39.366	+ 3.5254	— 0.0047		5027
5028	Sagittarii	8	2	91.67	3	18 57 2.732	+ 3.5515	— 0.0049		5028
5029	Aquilæ	7-8	2	89.67	3	18 57 6.467	+ 3.3325	— 0.0030		5029
5030	14 Aquilæ η	6-5	3	84.66	3	18 57 6.910	+ 3.1599	— 0.0018	+ 0.0013	5030
5031	Sagittarii	6	...	82.91	3	18 57 21.078	+ 3.8571	— 0.0084		5031
5032	Aquilæ	7	2	90.13	4	18 57 25.435	+ 3.2022	— 0.0022		5032
5033	Aquilæ	7-8	3	87.55	3	18 57 32.772	+ 3.1392	— 0.0016		5033
5034	Sagittarii	7	2	83.95	3	18 57 35.866	+ 3.6237	— 0.0058		5034
5035	Sagittarii	7-8	1	89.66	3	18 57 45.373	+ 3.5875	— 0.0054	+ 0.0040	5035
5036	39 Sagittarii θ	4	2	84.50	4	18 58 5.345	+ 3.5928	— 0.0055	+ 0.0029	5036
5037	Aquilæ	8	2	91.63	3	18 58 27.362	+ 3.2515	— 0.0025		5037
5038	Aquilæ V	Var.	4	83.61	3	18 58 31.570	+ 3.2050	— 0.0022		5038
5039	Aquilæ	7-8	1	89.27	3	18 58 49.238	+ 3.2730	— 0.0028		5039
5040	Aquilæ	7	2	84.67	2	18 59 8.026	+ 3.1675	— 0.0020	— 0.0044	5040

5026. Reddish star.

5038. Deep-red star.

The limits of magnitude are 6.5 and 8.0: the period is unknown.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
4996	89° 94	3	107 35 9.28	— 4.370	— 0.494				35240				4996
4997	89° 27	3	104 59 59.20	— 4.383	— 0.485				35251	1227			4997
4998	86° 68	3	91 56 27.64	— 4.397	— 0.442				35281			3037	4998
4999	84° 00	3	110 47 57.78	— 4.409	— 0.506	+ 0.015	2372	231	35258			3038	4999
5000	91° 68	3	97 4 57.30	— 4.417	— 0.458								5000
5001	89° 64	3	109 17 50.12	— 4.437	— 0.500								5001
5002	84° 53	3	111 15 1.89	— 4.440	— 0.507	+ 0.006	2373	233	35274		10308	3046	5002
5003	86° 30	3	95 59 18.14	— 4.440	— 0.455	+ 0.028	2375	240	35301	1260		3047	5003
5004	91° 64	3	103 14 43.17	— 4.446	— 0.479				35288	1257			5004
5005	83° 92	3	115 1 20.22	— 4.477	— 0.521				35285		10315		5005
5006	82° 65	3	112 40 32.05	— 4.493	— 0.512								5006
5007	92° 27	3	90 40 12.82	— 4.507	— 0.437				35338	1275			5007
5008	83° 95	3	102 44 8.95	— 4.583	— 0.476				35362	1285			5008
5009	89° 32	3	109 25 38.74	— 4.591	— 0.499								5009
5010	84° 60	3	108 42 53.07	— 4.596	— 0.497				35359				5010
5011	88° 24	3	94 52 28.57	— 4.600	— 0.450				35384	1297			5011
5012	84° 59	3	102 59 19.73	— 4.615	— 0.477				35376	1295		3053	5012
5013	91° 68	3	100 43 45.00	— 4.627	— 0.469								5013
5014	90° 67	4	92 59 6.41	— 4.670	— 0.443			251	35413	1318			5014
5015	91° 63	3	107 38 8.04	— 4.684	— 0.492								5015
5016	90° 31	3	75 1 11.42	— 4.700	— 0.384			259				3056	5016
5017	87° 64	3	97 32 3.63	— 4.728	— 0.458					1333			5017
5018	81° 52	21	75 4 49.31	— 4.735	— 0.384	+ 0.080	2390	262	35469		10337	3058	5018
5019	85° 65	3	112 50 57.80	— 4.766	— 0.511			255	35428		10341		5019
5020	87° 61	4	90 36 28.76	— 4.775	— 0.435				35465	1351			5020
5021	84° 63	3	105 26 13.75	— 4.789	— 0.484			260				3061	5021
5022	89° 60	3	94 35 35.36	— 4.795	— 0.448				35472	1355			5022
5023	82° 69	3	95 53 36.57	— 4.834	— 0.452	+ 0.018	2391	265	35482	1367			5023
5024	91° 66	3	106 45 18.65	— 4.868	— 0.488				35485				5024
5025	85° 58	3	100 52 43.25	— 4.892	— 0.468					1381			5025
5026	86° 57	3	109 24 11.57	— 4.902	— 0.497				35497			3069	5026
5027	86° 52	3	109 15 40.22	— 4.907	— 0.496				35499				5027
5028	91° 67	3	110 17 16.46	— 4.940	— 0.500								5028
5029	89° 67	3	101 20 52.31	— 4.945	— 0.469				35527	1395			5029
5030	84° 66	3	93 51 27.61	— 4.946	— 0.445	— 0.024	2394	272	35541	1400			5030
5031	82° 91	3	121 12 25.56	— 4.966	— 0.543			267			10357	3073	5031
5032	90° 13	4	95 43 7.07	— 4.972	— 0.450				35555	1409			5032
5033	87° 55	3	92 56 51.95	— 4.983	— 0.441					1416			5033
5034	83° 95	3	113 3 26.75	— 4.987	— 0.510				35530		10361		5034
5035	89° 66	3	111 41 30.37	— 5.000	— 0.505	+ 0.100			35540				5035
5036	84° 13	5	111 54 6.73	— 5.028	— 0.505	+ 0.057	2393	278	35557		10365	3077	5036
5037	91° 63	3	97 52 38.57	— 5.059	— 0.457								5037
5038	83° 61	3	95 50 49.00	— 5.066	— 0.450				35611	1442			5038
5039	89° 27	3	98 48 53.98	— 5.090	— 0.460				35625	1449			5039
5040	84° 67	2	94 12 13.06	— 5.117	— 0.444	+ 0.050	2398		35639	1460		3081	5040

5036 is 4156 of the Radcliffe Catalogue, 1845.
5003, 5018, 5040, are respectively 1804, 1808, 1818 of the Radcliffe Catalogue, 1860.
5035. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
5041	15 Aquilæ <i>h</i>	6	2	84°01	3	18	59	9.176	+ 3.1673	— 0.0020	— 0.0008	5041
5042	Sagittarii	6	1	84.61	3	18	59	23.078	+ 3.4388	— 0.0042		5042
5043	Aquilæ	7	3	87.62	3	18	59	35.056	+ 3.0973	— 0.0014		5043
5044	Aquilæ	7-6	3	84.86	3	18	59	36.649	+ 3.1103	— 0.0015		5044
5045	Sagittarii	8	3	91.60	3	18	59	40.200	+ 3.4143	— 0.0041		5045
5046	40 Sagittarii <i>τ</i>	4	2	85.20	3	19	0	4.212	+ 3.7541	— 0.0076	— 0.0072	5046
5047	Aquilæ	7	3	85.66	3	19	0	8.362	+ 3.2955	— 0.0030		5047
5048	Aquilæ	8	2	91.69	3	19	0	9.252	+ 3.3817	— 0.0037		5048
5049	Aquilæ	7	2	89.95	3	19	0	18.505	+ 3.3481	— 0.0034	— 0.0130	5049
5050	17 Aquilæ <i>ζ</i>	3	10	85.84	62	19	0	21.251	+ 2.7578	+ 0.0002	— 0.0026	5050
5051	Sagittarii	9-8	2	91.71	3	19	0	21.727	+ 3.4773	— 0.0047		5051
5052	16 Aquilæ <i>λ</i>	3-4	3	86.63	3	19	0	24.557	+ 3.1865	— 0.0022	— 0.0038	5052
5053	Sagittarii	6	2	86.60	3	19	0	32.504	+ 3.4523	— 0.0045		5053
5054	Sagittarii	6-7	2	89.92	3	19	0	41.950	+ 3.5144	— 0.0051		5054
5055	Aquilæ	7	3	84.64	3	19	0	53.324	+ 3.1066	— 0.0016		5055
5056	Sagittarii	8-7	1	91.99	3	19	0	56.268	+ 3.4770	— 0.0047		5056
5057	Sagittarii	7-6	2	87.62	3	19	1	31.171	+ 3.6689	— 0.0068		5057
5058	Sagittarii	6	1	85.27	3	19	1	48.924	+ 3.5278	— 0.0053	— 0.0018	5058
5059	Sagittarii	8-7	2	88.61	3	19	2	1.437	+ 3.5712	— 0.0058		5059
5060	Aquilæ	7-8	3	89.23	3	19	2	3.253	+ 3.2540	— 0.0028		5060
5061	Sagittarii	7	3	86.97	3	19	2	5.587	+ 3.6289	— 0.0064		5061
5062	Aquilæ	7-8	2	89.68	3	19	2	15.334	+ 3.3729	— 0.0038		5062
5063	Sagittarii	7-6	2	86.56	3	19	2	17.221	+ 3.5191	— 0.0053		5063
5064	Sagittarii	7	2	87.34	3	19	2	31.028	+ 3.5122	— 0.0052		5064
5065	Draconis	6	1	82.35	7	19	2	33.914	— 2.4568	— 0.0891	— 0.0124	5065
5066	Aquilæ	7	2	85.30	3	19	3	8.162	+ 3.1278	— 0.0019		5066
5067	Sagittarii	7-8	2	85.71	3	19	3	12.197	+ 3.3844	— 0.0041		5067
5068	41 Sagittarii <i>π</i>	3-4	2	82.59	3	19	3	13.181	+ 3.5714	— 0.0059	— 0.0022	5068
5069	Sagittarii	7-6	2	81.56	3	19	3	18.776	+ 3.5400	— 0.0056	0.0000	5069
5070	Aquilæ	7-8	1	85.61	3	19	3	29.846	+ 3.2324	— 0.0028		5070
5071	Aquilæ	8-7	3	91.61	3	19	4	0.745	+ 3.1591	— 0.0023		5071
5072	Aquilæ	8-7	1	91.64	3	19	4	5.120	+ 3.2837	— 0.0031		5072
5073	Aquilæ	7	3	82.65	3	19	4	12.243	+ 3.0861	— 0.0017		5073
5074	Sagittarii	7	3	83.71	3	19	4	35.204	+ 3.4227	— 0.0045		5074
5075	Sagittarii	8-7	1	84.62	3	19	4	46.952	+ 3.4430	— 0.0048		5075
5076	Aquilæ	7	3	83.57	3	19	5	3.383	+ 3.2255	— 0.0027		5076
5077	Aquilæ	7	1	85.97	3	19	5	4.803	+ 3.2439	— 0.0030		5077
5078	Sagittarii	7	3	86.63	3	19	5	39.566	+ 3.4105	— 0.0046		5078
5079	Sagittarii	7	3	83.63	3	19	5	53.560	+ 3.5863	— 0.0064		5079
5080	Sagittarii	8-9	1	91.71	3	19	6	17.632	+ 3.5241	— 0.0057	— 0.0130	5080
5081	Sagittarii	6-7	...	80.62	4	19	6	27.036	+ 3.6998	— 0.0078		5081
5082	Aquilæ	7-8	...	91.95	3	19	6	35.807	+ 3.1980	— 0.0027		5082
5083	Aquilæ	7-8	3	87.54	3	19	6	36.560	+ 3.3385	— 0.0038		5083
5084	Sagittarii	8	2	91.95	3	19	6	38.285	+ 3.5541	— 0.0061		5084
5085	20 Aquilæ	6-5	2	83.70	3	19	6	42.601	+ 3.2553	— 0.0032	— 0.0018	5085

5048. The N.P.D. of this star in Weisse's Bessel is 10° too small.

5055. A star of the 10 magnitude precedes, and is north.

5056. Lalande's R.A., which is about 17° too small, agrees with the mean of the R.A.'s of 5051 and 5056: both of these stars are contained in Bossert's "Supplément à l'Histoire Céleste de Lalande," and the Proper Motions are very small.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
5041	84°01	3	94 11 39.95	-5.118	-0.444	+0.007	2399	289	35642	1462		3082	5041
5042	84°61	3	105 49 31.15	-5.138	-0.483							3083	5042
5043	87°62	3	91 6 0.04	-5.155	-0.434			295	35664				5043
5044	84°86	3	91 40 38.78	-5.158	-0.436				35666				5044
5045	91°60	3	104 49 3.32	-5.162	-0.479				35651	1468			5045
5046	85°20	3	117 49 49.37	-5.196	-0.527	+0.255	2397	292	35646		10381	3084	5046
5047	85°66	3	99 47 55.18	-5.201	-0.462				35682	1492			5047
5048	91°69	3	103 27 58.79	-5.203	-0.474				35670	1484			5048
5049	89°95	3	102 3 7.17	-5.217	-0.469	+0.390			35691	1493			5049
5050	81°89	11	76 17 57.93	-5.220	-0.386	+0.089	2405	303	35718		10385	3087	5050
5051	91°71	3	107 24 46.70	-5.221	-0.487								5051
5052	86°63	3	95 2 48.21	-5.225	-0.447	+0.080	2401	298	35698	1502	10384	3086	5052
5053	86°60	3	106 23 48.62	-5.235	-0.484				35693			3088	5053
5054	89°92	3	108 54 23.08	-5.249	-0.492								5054
5055	84°64	3	91 30 50.38	-5.265	-0.435				35719				5055
5056	91°99	3	107 24 39.54	-5.269	-0.487				35694				5056
5057	85°87	4	114 49 41.15	-5.318	-0.514			301	35713		10397		5057
5058	85°13	4	109 27 42.52	-5.343	-0.494	-0.010	2402		35735			3090	5058
5059	88°61	3	111 9 44.53	-5.360	-0.500				35747				5059
5060	89°23	3	98 1 4.60	-5.363	-0.455				35768	1546			5060
5061	86°97	3	113 21 44.41	-5.367	-0.507				35745		10403		5061
5062	89°68	3	103 7 40.78	-5.380	-0.472				35770	1547			5062
5063	86°56	3	109 7 32.18	-5.383	-0.492				35763				5063
5064	87°34	3	108 51 20.09	-5.403	-0.491				35773				5064
5065	82°41	7	13 6 23.46	-5.407	+0.347	+0.090	2440	38	36206			3098	5065
5066	85°30	3	92 27 42.66	-5.454	-0.437				35824	1579			5066
5067	85°71	3	103 37 46.02	-5.460	-0.473				35815	1575			5067
5068	82°59	3	111 11 51.38	-5.461	-0.499	+0.034	2406	315	35797		10411	3096	5068
5069	81°56	3	109 58 35.40	-5.470	-0.494	+0.060		316					5069
5070	85°61	3	97 5 16.41	-5.485	-0.451				35834	1587			5070
5071	91°61	3	93 51 15.84	-5.529	-0.440				35861	15			5071
5072	91°64	3	99 19 58.64	-5.534	-0.458				35858	11			5072
5073	82°65	3	90 36 15.92	-5.544	-0.430				35872	21			5073
5074	83°71	3	105 15 22.45	-5.576	-0.477								5074
5075	84°62	4	106 5 57.61	-5.593	-0.480				35875				5075
5076	83°57	3	96 48 1.07	-5.616	-0.449				35922	41		3104	5076
5077	85°97	3	97 36 19.81	-5.618	-0.452				35921	43			5077
5078	86°63	3	104 45 56.56	-5.667	-0.475			5	35934			3105	5078
5079	83°63	3	111 50 22.95	-5.687	-0.499			4					5079
5080	91°71	3	109 24 53.83	-5.721	-0.490	+0.170			35955				5080
5081	80°62	4	116 5 25.35	-5.733	-0.515			7	35947		10430	3106	5081
5082	91°95	3	95 35 45.07	-5.746	-0.444				36003	80			5082
5083	87°54	3	101 44 1.80	-5.747	-0.464					78			5083
5084	91°95	3	110 36 20.26	-5.748	-0.494			10					5084
5085	83°71	3	98 7 21.95	-5.755	-0.452	-0.007	2415	16	36053		10433	3107	5085

5050, 5065, 5068, are respectively 4174, 4205, 4189 of the Radcliffe Catalogue, 1845.
 5041, 5046, 5050, 5052, 5065, 5081, are respectively 1819, 1820, 1824, 1821, 1831, 1832 of the Radcliffe Catalogue, 1860.
 5049, 5069, 5080. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
5086	Aquilæ	6-5	...	82.60	3	19 7 6.449	+ 3.3555	- 0.0041		5086
5087	Sagittarii	7-8	2	85.96	3	19 7 10.976	+ 3.4066	- 0.0046		5087
5088	Sagittarii	7-8	3	86.65	3	19 7 33.507	+ 3.5956	- 0.0067		5088
5089	Sagittarii	7	3	84.61	3	19 7 46.525	+ 3.3967	- 0.0046		5089
5090	Sagittarii	8-7	2	91.93	3	19 7 58.481	+ 3.4901	- 0.0055		5090
5091	Aquilæ	7-6	2	85.67	3	19 8 15.849	+ 3.2728	- 0.0034		5091
5092	Sagittarii	7-6	...	88.57	3	19 8 28.446	+ 3.4762	- 0.0054		5092
5093	Aquilæ	7-8	3	86.53	3	19 8 36.853	+ 3.1021	- 0.0020		5093
5094	42 Sagittarii ψ	5	3	87.35	29	19 8 47.620	+ 3.6801	- 0.0079	+ 0.0004	5094
5095	Aquilæ	8	3	91.71	3	19 8 49.115	+ 3.3186	- 0.0038		5095
5096	Sagittarii	7	1	84.64	3	19 8 50.860	+ 3.6509	- 0.0076		5096
5097	Sagittarii	7-8	1	89.31	3	19 9 7.288	+ 3.4455	- 0.0052		5097
5098	Aquilæ	7-6	4	84.29	3	19 9 28.938	+ 3.2120	- 0.0029		5098
5099	Aquilæ	8-7	2	92.02	3	19 9 40.903	+ 3.1462	- 0.0024		5099
5100	20 Lyræ η	4-5*	...	90.28	3	19 10 0.821	+ 2.0417	+ 0.0009	- 0.0015	5100
5101	Sagittarii R	Var.	3	88.69	4	19 10 14.412	+ 3.5239	- 0.0062		5101
5102	Sagittarii	7-8	3	91.60	3	19 10 42.746	+ 3.5683	- 0.0067		5102
5103	Aquilæ	7-8	2	86.62	3	19 10 45.510	+ 3.3239	- 0.0040		5103
5104	Aquilæ	8-7	2	91.62	3	19 11 7.363	+ 3.1805	- 0.0028		5104
5105	43 Sagittarii d	6-5	3	83.22	6	19 11 11.851	+ 3.5145	- 0.0061	- 0.0024	5105
5106	Sagittarii	7	2	83.18	2	19 11 21.480	+ 3.4413	- 0.0054		5106
5107	Sagittarii	7-8	2	83.30	3	19 11 21.574	+ 3.4412	- 0.0054		5107
5108	Sagittarii	7	2	83.69	3	19 11 44.829	+ 3.5119	- 0.0062		5108
5109	Sagittarii	7-8	4	86.99	3	19 12 4.172	+ 3.5076	- 0.0062		5109
5110	Aquilæ	7-8	3	85.56	3	19 12 16.443	+ 3.0978	- 0.0021		5110
5111	Sagittarii	8-7	3	85.73	3	19 12 26.478	+ 3.4067	- 0.0051		5111
5112	57 Draconis δ	3*	...	90.34	3	19 12 31.666	+ 0.0102	- 0.0229	+ 0.0156	5112
5113	21 Lyræ θ	4-5*	...	89.92	3	19 12 32.922	+ 2.0821	+ 0.0010	- 0.0042	5113
5114	25 Aquilæ ω	5-6	3	86.13	34	19 12 39.209	+ 2.8164	- 0.0003	- 0.0014	5114
5115	Sagittarii	7-6	1	84.64	3	19 12 43.609	+ 3.4301	- 0.0054	- 0.0069	5115
5116	Aquilæ	9	3	91.69	3	19 12 50.636	+ 3.2575	- 0.0035		5116
5117	Sagittarii	7	1	83.01	3	19 12 51.474	+ 3.4392	- 0.0055	- 0.0013	5117
5118	Aquilæ	7	4	88.32	6	19 12 53.770	+ 3.0675	- 0.0020	+ 0.0013	5118
5119	Aquilæ	8-7	4	85.96	3	19 12 54.730	+ 3.2053	- 0.0031		5119
5120	24 Aquilæ	7	3	88.59	6	19 13 13.278	+ 3.0694	- 0.0020	- 0.0039	5120
5121	Sagittarii	8-7	3	86.01	3	19 13 53.864	+ 3.4041	- 0.0052		5121
5122	Sagittarii	8-7	1	91.68	3	19 14 0.149	+ 3.6479	- 0.0082	- 0.0020	5122
5123	Aquilæ	8-7	2	92.23	3	19 14 0.879	+ 3.2872	- 0.0039		5123
5124	Sagittarii	6	2	84.98	3	19 14 2.544	+ 3.6004	- 0.0075		5124
5125	Aquilæ	7	1	89.25	3	19 14 8.250	+ 3.2243	- 0.0034		5125
5126	1 Cygni... .. κ	4*	...	87.29	3	19 14 33.597	+ 1.3814	- 0.0027	+ 0.0066	5126
5127	26 Aquilæ f	5-6	2	83.62	3	19 14 40.479	+ 3.1971	- 0.0032	+ 0.0053	5127
5128	Aquilæ	7-6	2	85.00	3	19 14 44.952	+ 3.1060	- 0.0023		5128
5129	Aquilæ	7-8	2	86.58	3	19 14 45.446	+ 3.3303	- 0.0044		5129
5130	Aquilæ	8	1	91.98	3	19 14 52.818	+ 3.1318	- 0.0026		5130

5089. Lalande's N.P.D. is about 25" too great.

5101. Reddish star. The limits of magnitude are 7.0 and 12.5: the period is 269 days.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
5086	82°60	3	102 27 57.97	-5.788	-0.466					91		3108	5086
5087	85°96	3	104 37 48.20	-5.795	-0.473				36013	93			5087
5088	86°65	3	112 14 47.48	-5.827	-0.499				36016				5088
5089	84°61	3	104 13 31.57	-5.845	-0.471				36041	115			5089
5090	91°93	3	108 5 17.86	-5.860	-0.484			18					5090
5091	85°67	3	98 54 19.96	-5.885	-0.454				36124	130			5091
5092	88°57	3	107 32 5.54	-5.902	-0.482			20					5092
5093	86°53	3	91 19 39.43	-5.915	-0.430				36103				5093
5094	84°90	4	115 26 44.27	-5.930	-0.510	+0.029	2418	21			10446	3115	5094
5095	91°71	3	100 54 34.39	-5.931	-0.460				36097	147			5095
5096	84°64	3	114 21 57.55	-5.934	-0.506			22	36069		10447	3116	5096
5097	89°31	3	106 17 17.70	-5.956	-0.477				36102				5097
5098	84°29	3	96 14 25.63	-5.987	-0.445				36137	163			5098
5099	92°02	3	93 18 17.32	-6.004	-0.435				36149	172			5099
5100	86°67	3	51 2 34.45	-6.031	-0.281	-0.010	2427	45	36253				5100
5101	88°69	4	109 30 1.24	-6.050	-0.487								5101
5102	91°60	3	111 15 57.15	-6.090	-0.493			32					5102
5103	86°62	3	101 9 57.44	-6.093	-0.459			33	36185	194			5103
5104	91°62	3	94 50 53.87	-6.123	-0.439				36210				5104
5105	82°71	9	109 8 51.76	-6.130	-0.485	+0.004	2423	35	36190		10458	3124	5105
5106	83°30	3	106 9 44.73	-6.143	-0.475				36205				5106
5107	83°30	3	106 9 35.81	-6.144	-0.475								5107
5108	83°69	3	109 3 36.33	-6.176	-0.485			39	36218				5108
5109	86°99	3	108 53 40.08	-6.202	-0.484			43	36239				5109
5110	85°56	3	91 8 23.80	-6.219	-0.427				36281				5110
5111	85°73	3	104 44 14.70	-6.233	-0.470				36271				5111
5112	80°86	18	22 31 54.49	-6.241	+0.001	-0.079	2449	90	36510			3134	5112
5113	85°92	6	52 3 42.49	-6.241	-0.286	0.000	2438	65	36361			3131	5113
5114	81°46	8	78 36 8.06	-6.251	-0.388	-0.025	2432	57	36319	255	10466	3130	5114
5115	84°64	3	105 43 37.78	-6.258	-0.473	+0.263		50					5115
5116	91°69	3	98 17 22.12	-6.267	-0.449						249		5116
5117	83°01	3	106 6 28.96	-6.267	-0.474	0.000	2426		36284				5117
5118	88°32	6	89 46 33.63	-6.271	-0.422	-0.032	2429	55	36313	254			5118
5119	85°96	3	95 58 15.07	-6.273	-0.441				36305	252			5119
5120	88°59	6	89 51 38.67	-6.298	-0.422	-0.018	2431	60	36326	264			5120
5121	86°01	3	104 39 14.78	-6.355	-0.468				36333				5121
5122	91°68	3	114 24 33.77	-6.363	-0.502	+0.160		59	36325		10479		5122
5123	92°23	3	99 36 47.54	-6.364	-0.452								5123
5124	84°98	3	112 36 21.63	-6.366	-0.495			61	36327		10480		5124
5125	89°25	3	96 49 47.54	-6.374	-0.443					280			5125
5126	86°07	4	36 50 3.72	-6.410	-0.188	-0.112	2447	91	36512			3139	5126
5127	83°62	3	95 37 14.02	-6.418	-0.439	-0.060	2435	66	36373	291		3138	5127
5128	85°00	3	91 30 53.24	-6.425	-0.426				36385	301			5128
5129	86°58	3	101 30 17.39	-6.425	-0.458				36370	289			5129
5130	91°98	3	92 40 44.67	-6.436	-0.430					308			5130

5100, 5105, 5112, 5126, are respectively 4229, 4230, 4262, 4271 of the Radcliffe Catalogue, 1845.

5094, 5100, 5105, 5112, 5114, 5115, 5120, 5127, are respectively 1835, 1836, 1839, 1843, 1841, 1840, 1842, 1844 of the Radcliffe Catalogue, 1860.

5115. The Proper Motions have been taken from Bonn Obs., Vol. VII.

5122. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
5131	27 Aquilæ <i>d</i>	6-5	4	86.10	4	19	14	55.076	+ 3.0967	- 0.0023	- 0.0015	5131
5132	Aquilæ	7	2	86.73	3	19	14	59.021	+ 3.1767	- 0.0030		5132
5133	Sagittarii	8-9	2	91.94	3	19	15	8.467	+ 3.3727	- 0.0049		5133
5134	Sagittarii	7-6	3	84.63	3	19	15	10.240	+ 3.5192	- 0.0067		5134
5135	44 Sagittarii ρ^1	4-5	3	84.55	4	19	15	17.537	+ 3.4849	- 0.0063	- 0.0033	5135
5136	Aquilæ	7	2	85.38	3	19	15	25.540	+ 3.1030	- 0.0023		5136
5137	46 Sagittarii <i>v</i>	5	1	85.31	3	19	15	25.561	+ 3.4391	- 0.0057	- 0.0013	5137
5138	45 Sagittarii ρ^2	6-7	2	83.34	5	19	15	25.733	+ 3.4961	- 0.0064	+ 0.0055	5138
5139	Sagittarii	7	1	89.16	4	19	16	9.707	+ 3.5537	- 0.0072	+ 0.0020	5139
5140	Aquilæ	7	1	82.68	3	19	16	22.489	+ 3.2592	- 0.0038		5140
5141	Aquilæ	6-7	1	84.31	3	19	16	42.131	+ 3.0826	- 0.0022	+ 0.0040	5141
5142	Aquilæ	7	2	85.68	3	19	16	46.600	+ 3.1591	- 0.0030		5142
5143	Aquilæ	8	2	88.65	4	19	17	3.841	+ 3.2312	- 0.0036		5143
5144	Aquilæ	7	3	86.54	3	19	17	5.548	+ 3.3158	- 0.0045		5144
5145	Aquilæ	7-6	4	87.14	4	19	17	7.958	+ 3.2411	- 0.0037		5145
5146	Sagittarii	7-8	3	89.92	3	19	17	27.656	+ 3.4679	- 0.0063		5146
5147	Sagittarii	7-6	1	82.94	3	19	17	38.666	+ 3.7451	- 0.0101		5147
5148	60 Draconis τ	4-5	2	82.49	8	19	17	39.914	- 1.0905	- 0.0564	- 0.0313	5148
5149	Aquilæ	7-8	2	89.71	3	19	18	8.062	+ 3.2314	- 0.0037		5149
5150	Aquilæ	7-8	3	91.60	3	19	18	31.995	+ 3.3593	- 0.0050		5150
5151	47 Sagittarii χ^1	5-6	4	85.86	5	19	18	34.736	+ 3.6522	- 0.0089	+ 0.0023	5151
5152	48 Sagittarii χ^2	7-8	1	87.32	3	19	18	41.346	+ 3.6495	- 0.0089		5152
5153	49 Sagittarii χ^3	6-5	...	84.64	3	19	18	50.043	+ 3.6375	- 0.0087	- 0.0034	5153
5154	Aquilæ	8-7	3	85.62	3	19	18	52.947	+ 3.1966	- 0.0034		5154
5155	Sagittarii	7	1	88.34	3	19	19	7.725	+ 3.5978	- 0.0081		5155
5156	Sagittarii	6	4	84.95	4	19	19	8.576	+ 3.3888	- 0.0055		5156
5157	Aquilæ	7	1	89.00	3	19	19	11.072	+ 3.1848	- 0.0033		5157
5158	50 Sagittarii	6	1	82.67	3	19	19	45.387	+ 3.5801	- 0.0079	- 0.0002	5158
5159	Aquilæ	8-7	1	89.30	3	19	19	54.674	+ 3.1225	- 0.0027		5159
5160	Sagittarii	6-7	1	85.35	3	19	19	55.451	+ 3.4155	- 0.0059		5160
5161	Sagittarii	8-7	2	87.54	3	19	19	55.733	+ 3.5664	- 0.0078		5161
5162	30 Aquilæ δ	4-3	3	87.47	45	19	19	57.133	+ 3.0089	- 0.0018	+ 0.0153	5162
5163	Sagittarii	7	2	89.86	4	19	20	10.192	+ 3.4036	- 0.0058		5163
5164	32 Aquilæ <i>v</i>	5-6	3	86.94	3	19	20	53.541	+ 3.0699	- 0.0023	- 0.0009	5164
5165	Sagittarii	7-8	3	82.93	3	19	21	16.048	+ 3.4937	- 0.0070		5165
5166	Aquilæ	8-7	...	89.52	3	19	21	28.407	+ 3.2032	- 0.0036		5166
5167	Sagittarii	8	2	92.00	3	19	21	36.807	+ 3.5178	- 0.0073		5167
5168	Sagittarii	7	4	84.09	6	19	21	41.256	+ 3.4937	- 0.0070		5168
5169	Aquilæ	7	...	89.01	3	19	22	2.146	+ 3.1829	- 0.0035		5169
5170	Aquilæ	8-7	3	85.70	3	19	22	3.940	+ 3.3470	- 0.0052		5170
5171	Aquilæ	8	2	91.66	3	19	22	11.426	+ 3.2878	- 0.0045		5171
5172	Aquilæ	8	2	91.66	3	19	22	12.036	+ 3.2879	- 0.0045		5172
5173	Sagittarii	7	2	82.92	3	19	22	19.975	+ 3.4155	- 0.0061		5173
5174	Sagittarii	6	...	85.61	3	19	23	3.768	+ 3.7152	- 0.0104		5174
5175	Aquilæ	9-8	3	89.51	3	19	23	5.697	+ 3.2127	- 0.0038		5175

5132. Reddish star.

5159. A fainter star, Lalande 36619, precedes 20^s, and is about 2½ south. The R.A. of Weisse's Bessel 411, is 50^s too small.

5161. This star has been suspected of variability between the 6.5 and 9 magnitudes. The Oxford estimations were 8 and 7-8 on 1887, July 18 and July 21 respectively.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
5131	86.28	3	91 5 46.00	-6.439	-0.425	+0.004	2439	72	36397			3140	5131
5132	86.73	3	94 42 23.59	-6.445	-0.436				36395				5132
5133	91.94	3	103 20 28.45	-6.457	-0.463				36384	307			5133
5134	84.63	3	109 26 21.97	-6.460	-0.483			67	36376				5134
5135	84.55	4	108 3 12.82	-6.471	-0.478	-0.026	2434	69	36383		10493	3141	5135
5136	85.38	3	91 22 53.43	-6.481	-0.425			79	36420	322			5136
5137	85.31	3	106 9 38.10	-6.481	-0.472	+0.009	2437	71	36396			3145	5137
5138	83.34	5	108 30 40.58	-6.482	-0.480	+0.065	2436	70	36392			3144	5138
5139	89.30	3	110 50 51.98	-6.542	-0.487	+0.130							5139
5140	82.68	3	98 24 28.76	-6.559	-0.446				36511	345			5140
5141	84.31	3	90 27 35.00	-6.586	-0.422	-0.128			36489	357		3149	5141
5142	85.68	3	93 55 34.01	-6.593	-0.432			85	36487	356			5142
5143	88.65	4	97 10 1.64	-6.617	-0.442					363			5143
5144	86.54	3	100 54 46.69	-6.620	-0.454			86	36491	361			5144
5145	87.14	4	97 36 34.43	-6.622	-0.443				36502	365			5145
5146	89.92	3	107 24 22.83	-6.650	-0.474				36501				5146
5147	82.34	4	118 4 40.03	-6.665	-0.512			84	36486		10510		5147
5148	81.96	20	16 50 55.90	-6.666	+0.153	-0.108	2472	141				3151	5148
5149	89.71	3	97 11 23.33	-6.705	-0.441				36592	384			5149
5150	91.60	3	102 49 45.53	-6.738	-0.459				36555				5150
5151	85.86	5	114 43 15.86	-6.742	-0.499	+0.049	2445	93	36533		10514	3153	5151
5152	87.32	3	114 37 35.24	-6.750	-0.498			94	36539				5152
5153	84.64	3	114 10 37.25	-6.763	-0.497	+0.005	2446	96	36550		10517	3156	5153
5154	85.62	3	95 37 55.01	-6.767	-0.436				36584	407			5154
5155	88.34	3	112 39 55.61	-6.787	-0.491				36562				5155
5156	84.95	4	104 6 51.29	-6.789	-0.462					408		3157	5156
5157	89.00	3	95 5 57.50	-6.791	-0.434				36594	412			5157
5158	82.68	4	111 59 36.80	-6.838	-0.488	+0.001	2448	103	36593		10520		5158
5159	89.30	3	92 16 40.21	-6.852	-0.425			111	36639	411			5159
5160	85.35	3	105 16 12.77	-6.852	-0.465			107	36617			3161	5160
5161	87.54	3	111 27 45.32	-6.853	-0.486			104	36606				5161
5162	81.45	8	87 6 13.50	-6.854	-0.410	-0.091	2451	113	36646	435	10522	3165	5162
5163	89.86	4	104 46 7.96	-6.872	-0.463			110	36625				5163
5164	86.94	3	89 52 48.52	-6.933	-0.417	-0.024	2455	118	36679	456		3169	5164
5165	82.93	3	108 34 13.42	-6.963	-0.475				36666			3171	5165
5166	89.52	3	95 57 14.08	-6.979	-0.435				36699	466			5166
5167	92.00	3	109 33 51.67	-6.991	-0.478								5167
5168	84.09	6	108 34 50.07	-6.997	-0.475				36688			3173	5168
5169	89.01	3	95 2 22.42	-7.026	-0.432				36721	481			5169
5170	85.70	3	102 21 52.39	-7.028	-0.454				36712	478			5170
5171	91.66	3	99 45 33.89	-7.038	-0.446				36720	483			5171
5172	91.66	3	99 45 40.79	-7.039	-0.446				36726	484			5172
5173	82.92	3	105 19 31.38	-7.050	-0.463			124	36719				5173
5174	84.36	4	117 12 35.55	-7.110	-0.504			126	36737		10537		5174
5175	89.51	3	96 23 53.96	-7.113	-0.435				36776	516			5175

5135, 5148, 5151, 5162, are respectively 4266, 4302, 4287, 4295 of the Radcliffe Catalogue, 1845.
 5135, 5138, 5148, 5151, 5162, 5174, are respectively 1845, 1846, 1849, 1848, 1851, 1854 of the Radcliffe Catalogue, 1860.
 5139. The Proper Motions have been determined in the formation of the present Catalogue.
 5141 is 3250 of Auwers' "Neue Reduction der Bradley'schen Beobachtungen."

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
5176	Sagittarii	7-8	1	92°58	3	19 23 17.762	+ 3.4210	- 0.0063		5176
5177	Aquilæ U	Var.	4	83°63	3	19 23 26.019	+ 3.2318	- 0.0040	- 0.0030	5177
5178	Sagittarii	7	3	84°63	3	19 23 27.922	+ 3.3579	- 0.0055		5178
5179	Aquilæ	7-6	4	84°17	4	19 23 40.164	+ 3.0721	- 0.0024		5179
5180	Sagittarii	8-9	2	91°68	3	19 23 41.611	+ 3.4731	- 0.0070		5180
5181	Sagittarii	8	3	91°72	3	19 23 44.519	+ 3.4353	- 0.0065		5181
5182	6 Vulpeculæ α	4-5	3	84°93	18	19 24 7.721	+ 2.5054	+ 0.0008	- 0.0108	5182
5183	Aquilæ	9-8	2	89°56	3	19 24 9.429	+ 3.1850	- 0.0036		5183
5184	8 Vulpeculæ	6-5	3	85°44	4	19 24 21.636	+ 2.5030	+ 0.0008	- 0.0009	5184
5185	Sagittarii	6-7	...	84°62	3	19 24 22.183	+ 3.5648	- 0.0082		5185
5186	Aquilæ	7-8	2	85°58	3	19 24 25.190	+ 3.0871	- 0.0026		5186
5187	Aquilæ	7-8	2	86°57	3	19 24 43.922	+ 3.2569	- 0.0044		5187
5188	Sagittarii	8-7	2	91°96	3	19 24 46.195	+ 3.3743	- 0.0058		5188
5189	Aquilæ	7	2	89°14	4	19 24 51.276	+ 3.3309	- 0.0052		5189
5190	36 Aquilæ e	5-5	1	81°61	3	19 24 54.656	+ 3.1382	- 0.0031	- 0.0015	5190
5191	Aquilæ	7-8	1	85°67	3	19 24 59.682	+ 3.2197	- 0.0040	- 0.0140	5191
5192	Sagittarii	7-8	4	90°13	4	19 25 16.082	+ 3.5164	- 0.0077		5192
5193	Aquilæ	8-9	2	89°64	3	19 25 21.125	+ 3.2012	- 0.0039		5193
5194	Aquilæ	7	2	82°66	3	19 25 32.472	+ 3.1234	- 0.0030		5194
5195	Sagittarii	8-7	1	92°24	3	19 25 37.639	+ 3.5411	- 0.0080		5195
5196	Aquilæ	8-9	...	89°66	3	19 25 43.493	+ 3.1890	- 0.0038		5196
5197	Sagittarii	8-7	1	91°99	3	19 25 49.131	+ 3.6000	- 0.0089		5197
5198	10 Cygni ι ²	4*	...	87°35	3	19 26 55.932	+ 1.5116	- 0.0021	+ 0.0022	5198
5199	Sagittarii	8	1	91°97	3	19 27 0.529	+ 3.4108	- 0.0064		5199
5200	Sagittarii	8-9	2	91°69	3	19 27 10.328	+ 3.4963	- 0.0076		5200
5201	Sagittarii	8-9	2	90°30	3	19 27 39.564	+ 3.4401	- 0.0069		5201
5202	Sagittarii	8-9	2	90°30	3	19 27 39.814	+ 3.4401	- 0.0069		5202
5203	8 Cygni	5-4*	...	90°69	3	19 27 41.025	+ 2.2291	+ 0.0011	- 0.0008	5203
5204	Aquilæ	8-7	1	89°53	3	19 27 53.625	+ 3.1805	- 0.0037		5204
5205	Sagittarii	7-6	3	83°99	3	19 27 55.422	+ 3.6269	- 0.0097		5205
5206	Sagittarii	7-8	6	85°75	3	19 27 56.293	+ 3.4408	- 0.0069	+ 0.0080	5206
5207	Sagittarii	7	7	85°70	3	19 28 0.606	+ 3.4423	- 0.0070	0.0000	5207
5208	Aquilæ	9-8	2	89°63	3	19 28 40.788	+ 3.1740	- 0.0038		5208
5209	38 Aquilæ μ	5-4	3	87°76	25	19 28 42.941	+ 2.9173	- 0.0014	+ 0.0129	5209
5210	37 Aquilæ κ	6-5	2	83°62	3	19 29 3.514	+ 3.3085	- 0.0052	- 0.0001	5210
5211	Sagittarii	7	2	84°61	3	19 29 5.179	+ 3.5478	- 0.0085	+ 0.0030	5211
5212	51 Sagittarii h ¹	6	2	84°25	5	19 29 20.802	+ 3.6480	- 0.0103	- 0.0007	5212
5213	Aquilæ	8	2	89°50	3	19 29 23.915	+ 3.1709	- 0.0037		5213
5214	Aquilæ	7-6	1	84°71	3	19 29 25.723	+ 3.3464	- 0.0057		5214
5215	Aquilæ	7-6	2	83°96	3	19 29 33.426	+ 3.2396	- 0.0045		5215
5216	Sagittarii	8	2	88°28	3	19 29 38.884	+ 3.3657	- 0.0060		5216
5217	Aquilæ	8	2	91°70	3	19 29 39.184	+ 3.2796	- 0.0049		5217
5218	52 Sagittarii h ²	5	4	86°13	28	19 30 0.694	+ 3.6517	- 0.0104	+ 0.0016	5218
5219	Sagittarii	7-6	1	84°55	3	19 30 1.256	+ 3.5001	- 0.0079		5219
5220	Aquilæ	7-8	3	86°01	3	19 30 7.074	+ 3.1307	- 0.0033		5220

5177. The limits of magnitude are 6.4 and 7.1: the period is 7 days.

5194. A star of the 7-8 magnitude, Lalande 36894, precedes 16^s, and is north.5212. Gould's estimates of the magnitude of this star vary from 5.3 to 6.7.
is 1' too small.5220. A star of the 9 magnitude precedes about 6^s, and is north.5190. The R.A. of this star in Weisse's Bessel is 1^m too small.

5207. Very red star.

5215. The N.P.D. of this star in Weisse's Bessel

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
5176	92°58	3	105 35 370	-7°129	-0°463			132	36771				5176
5177	83°63	3	97 16 868	-7°140	-0°437	-0°030			36791	522			5177
5178	84°63	3	102 52 1733	-7°143	-0°455				36783	520			5178
5179	84°17	4	89 58 4534	-7°159	-0°415				36813				5179
5180	91°68	3	107 47 1500	-7°162	-0°470								5180
5181	91°72	3	106 12 707	-7°166	-0°465				36790				5181
5182	81°83	13	65 33 2571	-7°197	-0°338	+0°102	2467	148	36882		10545	3179	5182
5183	89°56	3	95 8 5859	-7°199	-0°430					541			5183
5184	86°01	3	65 27 2779	-7°216	-0°338	+0°030	2470	150	36895			3182	5184
5185	84°62	3	111 32 2396	-7°216	-0°482			138	36811			3180	5185
5186	85°58	3	90 40 1867	-7°220	-0°417				36848	555			5186
5187	86°57	3	98 24 5192	-7°247	-0°440					561			5187
5188	91°96	3	103 36 3876	-7°249	-0°456								5188
5189	89°30	3	101 42 4824	-7°256	-0°450					533			5189
5190	81°61	3	93 1 195	-7°261	-0°424	-0°004	2465	145	36870	567		3183	5190
5191	85°67	3	96 44 2110	-7°268	-0°435	+0°070			36868	568			5191
5192	90°13	4	109 37 093	-7°290	-0°475				36857				5192
5193	89°64	3	95 54 571	-7°296	-0°432					575			5193
5194	82°66	3	92 20 2510	-7°311	-0°421				36902	585			5194
5195	92°24	3	110 37 5458	-7°320	-0°478				36878				5195
5196	89°66	3	95 20 5532	-7°326	-0°430					590			5196
5197	91°99	3	112 58 2306	-7°335	-0°485								5197
5198	85°83	4	38 30 1520	-7°425	-0°202	-0°121	2481	175	37056				5198
5199	91°97	3	105 14 2628	-7°432	-0°459				36939				5199
5200	91°69	3	108 50 5723	-7°444	-0°470			155	36941				5200
5201	90°30	3	106 30 3670	-7°485	-0°462				36961				5201
5202	90°30	3	106 30 4027	-7°485	-0°462				36961				5202
5203	87°66	4	55 46 5044	-7°486	-0°298	-0°017	2480	173	37046			3188	5203
5204	89°53	3	94 58 4118	-7°504	-0°427				36990	646			5204
5205	83°97	3	114 5 4574	-7°505	-0°487			159	36960		10569		5205
5206	85°75	3	106 32 5299	-7°507	-0°462	+0°240			36976				5206
5207	85°70	3	106 36 4125	-7°513	-0°462	0°000			36981				5207
5208	89°63	3	94 41 1521	-7°567	-0°425					670			5208
5209	88°03	5	82 51 1430	-7°570	-0°391	+0°133	2479	171	37044		10576	3191	5209
5210	83°62	3	100 47 5949	-7°599	-0°443	+0°004	2477	170	37028	677	10579	3192	5210
5211	84°61	3	111 1 172	-7°600	-0°476	+0°170		166					5211
5212	83°65	4	114 57 3280	-7°621	-0°489	+0°021	2475	168	37016		10580		5212
5213	89°50	3	94 32 5782	-7°626	-0°424				37055	687			5213
5214	84°71	3	102 29 3552	-7°628	-0°448				37048				5214
5215	83°96	3	97 41 5851	-7°638	-0°434				37057	689			5215
5216	88°28	3	103 20 4760	-7°646	-0°450				37054	688			5216
5217	91°70	3	99 30 5121	-7°646	-0°439								5217
5218	81°86	7	115 7 3130	-7°675	-0°489	+0°010	2478	174	37051		10584	3197	5218
5219	84°55	3	109 5 4156	-7°675	-0°468			176	37060			3198	5219
5220	86°01	3	92 41 4456	-7°683	-0°418			179	37089				5220

5198, 5212, 5218, are respectively 4341, 4344, 4351 of the Radcliffe Catalogue, 1845.
 5182, 5184, 5198, 5209, 5212, 5218, are respectively 1857, 1858, 1863, 1864, 1865, 1866 of the Radcliffe Catalogue, 1860.
 5177, 5191, 5206, 5207, 5211. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
5221	Aquilæ	7	2	85.40	3	19	30	23.226	+ 3.0723	— 0.0027		5221
5222	Sagittarii	6-5	2	83.34	3	19	30	40.354	+ 3.4847	— 0.0078		5222
5223	Aquilæ	8-7	1	89.69	3	19	30	44.335	+ 3.1808	— 0.0039		5223
5224	Aquilæ	7	2	87.53	3	19	30	48.201	+ 3.2989	— 0.0053		5224
5225	Sagittarii	7	3	85.35	3	19	30	52.140	+ 3.3667	— 0.0061		5225
5226	Aquilæ	8-7	2	89.56	3	19	30	56.515	+ 3.1705	— 0.0038		5226
5227	Sagittarii	7-8	1	88.60	3	19	30	57.885	+ 3.3954	— 0.0066		5227
5228	39 Aquilæ κ	6-5	1	81.61	3	19	30	58.405	+ 3.2298	— 0.0044	— 0.0010	5228
5229	41 Aquilæ ι	5-4	2	85.69	3	19	31	1.777	+ 3.1054	— 0.0030	— 0.0009	5229
5230	Sagittarii	6-5	2	84.65	3	19	31	22.344	+ 3.3921	— 0.0066	— 0.0100	5230
5231	Aquilæ	8	1	89.66	3	19	31	25.327	+ 3.1526	— 0.0037		5231
5232	Sagittarii	7	3	85.95	3	19	31	36.581	+ 3.3842	— 0.0065		5232
5233	Aquilæ	7-8	3	88.22	5	19	31	37.812	+ 3.0884	— 0.0030		5233
5234	Aquilæ	7-8	3	88.68	3	19	31	40.793	+ 3.2945	— 0.0052		5234
5235	42 Aquilæ	6-5	2	86.87	6	19	31	57.123	+ 3.1778	— 0.0039	+ 0.0056	5235
5236	Aquilæ	7-8	3	87.63	4	19	32	33.502	+ 3.0884	— 0.0030		5236
5237	61 Draconis σ	5-4	2	82.75	5	19	32	34.174	— 0.2108	— 0.0371	+ 0.0973	5237
5238	Aquilæ	7-6	3	85.56	3	19	32	40.836	+ 3.2982	— 0.0054		5238
5239	Aquilæ	7	3	90.58	3	19	32	43.994	+ 3.0704	— 0.0028		5239
5240	Sagittarii	8-7	3	86.66	4	19	32	52.762	+ 3.4519	— 0.0076		5240
5241	Sagittarii	8	3	86.65	3	19	32	53.342	+ 3.4518	— 0.0076		5241
5242	Cygni	7	...	90.62	3	19	32	59.056	+ 1.6090	— 0.0015	— 0.0028	5242
5243	53 Sagittarii	7	1	84.62	3	19	33	12.515	+ 3.6109	— 0.0101	— 0.0029	5243
5244	Sagittarii	8-7	3	86.95	3	19	33	22.778	+ 3.5762	— 0.0095		5244
5245	13 Cygni θ	5-4*	...	87.29	3	19	33	29.468	+ 1.6118	— 0.0015	— 0.0033	5245
5246	Sagittarii	7-6	1	84.62	3	19	33	30.121	+ 3.6107	— 0.0101	+ 0.0001	5246
5247	Ursæ Minoris λ	6-7	10	84.56	139	19	33	34.070	— 64.9647	— 28.4400	— 0.0523	5247
5248	Sagittarii	7	2	85.61	3	19	33	37.349	+ 3.4108	— 0.0070		5248
5249	Sagittarii	8	1	88.33	3	19	33	39.979	+ 3.4035	— 0.0069		5249
5250	Sagittarii	8	3	91.60	3	19	33	41.095	+ 3.5385	— 0.0089		5250
5251	44 Aquilæ σ	5*	...	80.55	2	19	33	45.858	+ 2.9620	— 0.0019	— 0.0018	5251
5252	Sagittarii	7	3	86.94	3	19	33	52.990	+ 3.3850	— 0.0067		5252
5253	54 Sagittarii e ¹	6-5	5	87.51	25	19	34	25.257	+ 3.4364	— 0.0075	+ 0.0026	5253
5254	Sagittarii	8	4	83.31	3	19	34	27.295	+ 3.4362	— 0.0075		5254
5255	Aquilæ	7-6	4	88.63	6	19	34	30.024	+ 3.1947	— 0.0042		5255
5256	Aquilæ	7-8	3	86.65	3	19	34	48.482	+ 3.2394	— 0.0048		5256
5257	Aquilæ	8-7	2	89.61	3	19	34	56.648	+ 3.1642	— 0.0039		5257
5258	12 Cygni φ	5*	...	90.34	3	19	35	1.950	+ 2.3689	+ 0.0011	— 0.0005	5258
5259	45 Aquilæ	6	4	85.67	4	19	35	3.426	+ 3.0912	— 0.0031	— 0.0005	5259
5260	Aquilæ	8-9	2	91.66	3	19	35	19.207	+ 3.3365	— 0.0060		5260
5261	Aquilæ	8	...	91.78	4	19	35	28.227	+ 3.1273	— 0.0035		5261
5262	Aquilæ	8-7	2	89.50	3	19	35	59.174	+ 3.1696	— 0.0041		5262
5263	Aquilæ	6-7	2	84.70	3	19	36	2.579	+ 3.2757	— 0.0054		5263
5264	55 Sagittarii e ²	5	2	83.99	3	19	36	13.494	+ 3.4314	— 0.0076	+ 0.0027	5264
5265	Sagittarii	8	2	91.66	3	19	36	47.623	+ 3.5013	— 0.0087		5265

5223. A fainter star, Schön. Z. — 5°, 5020, precedes about 15^s, and is 2' south.

5238. Double: the companion, of the 9-10 magnitude, precedes, and is north.

5261. A fainter star precedes 5^s, and is north.

Lalande 37366. No seventh magnitude star was visible near R.A. 19^h 36^m and N.P.D. 98° 3' on 1885 September 1, 5 and 11.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
5221	85°40	3	89 59 32.27	-7.705	-0.410			183	37111	713			5221
5222	83°34	3	108 28 29.24	-7.728	-0.466			180	37091			3201	5222
5223	89°69	3	95 0 55.43	-7.733	-0.425								5223
5224	87°53	3	100 24 2.27	-7.739	-0.441			186	37117	722			5224
5225	85°35	3	103 25 0.26	-7.744	-0.450				37114				5225
5226	89°56	3	94 32 35.51	-7.751	-0.423								5226
5227	88°60	3	104 40 32.90	-7.752	-0.453					723			5227
5228	81°61	3	97 16 16.44	-7.752	-0.431	-0.007	2482	187	37127	726	10590	3204	5228
5229	85°69	3	91 31 47.83	-7.757	-0.414	+0.005	2484	188	37142			3205	5229
5230	84°65	3	104 32 35.87	-7.784	-0.453	+0.160				734		3207	5230
5231	89°66	3	93 43 11.16	-7.788	-0.420								5231
5232	85°95	3	104 12 7.45	-7.805	-0.451								5232
5233	86°66	3	90 44 14.61	-7.806	-0.412			194	37175				5233
5234	88°68	3	100 13 14.01	-7.810	-0.439				37162	745			5234
5235	86°87	6	94 53 32.72	-7.831	-0.423	+0.053	2485	196	37178				5235
5236	86°66	3	90 44 11.81	-7.881	-0.412			200	37215				5236
5237	81°76	18	20 31 33.54	-7.881	+0.032	+1.766	2505	236				3213	5237
5238	85°56	3	100 24 14.30	-7.890	-0.439				37207				5238
5239	90°58	3	89 54 11.29	-7.894	-0.408			202	37227	780			5239
5240	86°66	4	107 9 34.37	-7.907	-0.459				37202				5240
5241	86°65	3	107 9 28.21	-7.906	-0.459				37204				5241
5242	87°29	3	40 0 28.08	-7.915	-0.212	-0.050	2496	220	37340			3214	5242
5243	84°62	3	113 40 37.53	-7.933	-0.480	+0.046	2486	199	37211		10606		5243
5244	86°95	3	112 18 46.36	-7.947	-0.475				37221				5244
5245	87°29	3	40 2 0.77	-7.956	-0.212	-0.239	2498	223	37359			3216	5245
5246	84°62	3	113 40 47.45	-7.956	-0.480	-0.007	2488	201	37225		10608		5246
5247	83°56	102	1 1 59.38	-7.961	+8.698	+0.005	2795	424				3250	5247
5248	85°61	3	105 25 3.72	-7.965	-0.453				37243				5248
5249	88°33	3	105 6 0.94	-7.969	-0.452				37250				5249
5250	91°60	3	110 47 56.00	-7.971	-0.470			205	37282				5250
5251	80°55	2	84 51 6.87	-7.977	-0.393	-0.004	2492	215	37279	819	10609	3217	5251
5252	86°94	3	104 17 43.56	-7.987	-0.449				37263	802			5252
5253	83°84	5	106 32 40.15	-8.030	-0.456	+0.039	2490	214	37277		10613	3219	5253
5254	83°31	3	106 32 5.94	-8.032	-0.456							3220	5254
5255	88°63	6	95 41 58.58	-8.036	-0.423				37292	827			5255
5256	86°65	3	97 45 49.52	-8.060	-0.429				37304	833			5256
5257	89°61	3	94 17 12.79	-8.072	-0.419							3221	5257
5258	81°97	6	60 5 59.11	-8.079	-0.313	-0.047	2497	226	37376				5258
5259	85°67	4	90 52 31.46	-8.080	-0.409	-0.012	2493	219	37333	847			5259
5260	91°66	3	102 10 55.98	-8.102	-0.442				37327	846			5260
5261	91°78	4	92 34 6.21	-8.114	-0.414				37349	857			5261
5262	89°55	4	94 32 41.09	-8.155	-0.419				37368	869			5262
5263	84°70	3	99 26 51.21	-8.160	-0.433				37363	868			5263
5264	83°99	3	106 22 51.27	-8.174	-0.454	+0.007	2494	222	37360		10623	3226	5264
5265	91°66	3	109 22 15.46	-8.220	-0.462								5265

5237, 5242, 5245, 5247, 5264, are respectively 4397, 4392, 4396, 4754, 4403 of the Radcliffe Catalogue, 1845.
 5224, 5235, 5237, 5243, 5245, 5246, 5247, 5253, 5254, are respectively 1868, 1869, 1873, 1871, 1874, 1872, 1949, 1875, 1876 of the Radcliffe Catalogue, 1860.
 5230. The Proper Motions have been determined in the formation of the present Catalogue.
 5247. There are 60 observations in N.P.D. above pole and 42 below. The seconds of N.P.D. are 59".43 and 59".32 respectively.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
5266	Aquilæ	7	2	84.21	3	19 37 5.103	+ 3.2560	— 0.0052		5266
5267	Aquilæ	8-7	2	84.51	2	19 37 8.714	+ 3.2565	— 0.0052		5267
5268	Sagittarii	6	2	83.32	3	19 37 17.116	+ 3.4155	— 0.0074	+ 0.0100	5268
5269	Sagittarii	8-7	1	92.01	3	19 38 4.861	+ 3.6020	— 0.0104		5269
5270	Sagittarii	8	3	92.01	3	19 38 10.508	+ 3.4597	— 0.0082		5270
5271	Aquilæ	7	3	85.39	3	19 38 51.044	+ 3.3049	— 0.0059		5271
5272	Sagittarii	6	...	83.33	3	19 38 59.891	+ 3.8362	— 0.0151		5272
5273	Sagittarii	7	1	92.00	3	19 39 1.224	+ 3.3526	— 0.0065		5273
5274	Aquilæ	8-9	2	89.52	3	19 39 26.848	+ 3.1741	— 0.0043		5274
5275	Aquilæ	7-8	3	87.55	3	19 39 33.167	+ 3.2275	— 0.0049		5275
5276	56 Sagittarii <i>f</i>	5-6	3	85.42	4	19 39 56.715	+ 3.5141	— 0.0092	— 0.0114	5276
5277	Aquilæ	7	2	85.58	3	19 40 0.988	+ 3.0928	— 0.0033		5277
5278	Aquilæ	6-7	1	84.64	3	19 40 7.180	+ 3.1392	— 0.0038		5278
5279	Aquilæ	8-7	3	86.55	4	19 40 47.190	+ 3.3388	— 0.0064		5279
5280	Sagittarii	7	2	87.63	2	19 40 49.735	+ 3.4503	— 0.0083		5280
5281	Sagittarii	7-8	...	92.00	3	19 40 55.389	+ 3.4892	— 0.0089	0.0000	5281
5282	Sagittarii	8-9	1	91.96	3	19 40 58.656	+ 3.5635	— 0.0101		5282
5283	50 Aquilæ γ	3*	...	84.98	25	19 41 1.781	+ 2.8518	— 0.0010	— 0.0005	5283
5284	Aquilæ	7-8	2	89.62	4	19 41 2.650	+ 3.1556	— 0.0041		5284
5285	Aquilæ	8-7	1	92.28	3	19 41 10.695	+ 3.2514	— 0.0053		5285
5286	Aquilæ	8	2	92.05	3	19 41 27.850	+ 3.2125	— 0.0049		5286
5287	Sagittarii	7	2	84.64	3	19 41 30.895	+ 3.5417	— 0.0098		5287
5288	Sagittarii	6-7	2	83.94	3	19 41 52.141	+ 3.3728	— 0.0071		5288
5289	Aquilæ	8	2	89.56	3	19 41 56.503	+ 3.1888	— 0.0046		5289
5290	Aquilæ	9	...	88.94	3	19 42 0.528	+ 3.1183	— 0.0037		5290
5291	Sagittarii	8-9	2	91.75	3	19 42 17.216	+ 3.4283	— 0.0080		5291
5292	7 Sagittæ δ	4-3	1	89.31	3	19 42 28.982	+ 2.6747	+ 0.0002	— 0.0008	5292
5293	Sagittarii	7-8	3	86.54	3	19 42 32.504	+ 3.3373	— 0.0066		5293
5294	Sagittarii	7-6	4	83.94	4	19 42 42.884	+ 3.3416	— 0.0066		5294
5295	Aquilæ	7-8	2	88.98	3	19 42 56.332	+ 3.1166	— 0.0037		5295
5296	Aquilæ	6-7	2	85.55	3	19 42 58.166	+ 3.3097	— 0.0063	+ 0.0030	5296
5297	Aquilæ	8	5	89.50	4	19 43 7.647	+ 3.1729	— 0.0044		5297
5298	Sagittarii	8	2	91.75	3	19 43 42.480	+ 3.5843	— 0.0108		5298
5299	Aquilæ	8	5	89.53	3	19 43 46.988	+ 3.1735	— 0.0044		5299
5300	Aquilæ	7	3	83.99	3	19 44 8.054	+ 3.2904	— 0.0060		5300
5301	Sagittarii	7-8	3	86.62	3	19 44 15.560	+ 3.3764	— 0.0075		5301
5302	51 Aquilæ	6	3	85.96	3	19 44 43.527	+ 3.3066	— 0.0063	— 0.0038	5302
5303	Aquilæ	7	6	88.29	6	19 44 59.367	+ 3.1768	— 0.0046		5303
5304	53 Aquilæ α	1-2*	...	85.53	16	19 45 24.982	+ 2.8918	— 0.0014	+ 0.0351	5304
5305	Aquilæ	6	5	84.56	3	19 45 27.014	+ 3.1298	— 0.0039		5305
5306	Sagittarii	7-8	2	89.96	3	19 45 27.235	+ 3.3469	— 0.0069		5306
5307	Sagittarii	7	2	89.72	3	19 45 28.722	+ 3.3947	— 0.0077		5307
5308	Sagittarii	7	3	87.54	3	19 45 36.221	+ 3.3558	— 0.0071		5308
5309	Aquilæ	7-8	4	85.73	4	19 45 38.285	+ 3.3102	— 0.0064		5309
5310	57 Sagittarii	6-7	...	81.66	3	19 45 48.449	+ 3.4922	— 0.0094	— 0.0011	5310

5277. A faint star, Arg. Z. — 1°, 3820, precedes nearly on the same parallel.

5297. The R. A. of this star in Weisse's Bessel is 10^s too great.

5302. The R. A. of this star in Weisse's Bessel is 2^s too small.

5304. This star in the Harvard Photometry is of the unit magnitude.

5283. Reddish-yellow star.

5305. Reddish-yellow star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
5266	84°21	3	98 33 51·85	—8·243	—0·429					903			5266
5267	84°51	2	98 35 12·78	—8·248	—0·429				37458	905			5267
5268	83°32	3	105 43 27·91	—8·259	—0·450	+0·180		230	37403			3229	5268
5269	92°01	3	113 31 30·63	—8·323	—0·474				37428				5269
5270	92°01	3	107 39 44·59	—8·330	—0·455				37447				5270
5271	85°39	3	100 50 3·36	—8·384	—0·434				37480	945			5271
5272	83°33	3	122 10 23·40	—8·395	—0·505			243			10636		5272
5273	92°00	3	102 59 25·43	—8·397	—0·440								5273
5274	89°52	3	94 47 13·93	—8·431	—0·416					964			5274
5275	87°55	3	97 16 56·03	—8·439	—0·423				37515				5275
5276	85°42	4	110 1 28·35	—8·471	—0·461	+0·078	2504	249	37512			3237	5276
5277	85°58	3	90 57 37·48	—8·476	—0·405				37541				5277
5278	84°64	3	93 8 58·14	—8·484	—0·411				37546	980			5278
5279	86°55	4	102 24 58·53	—8·537	—0·437				37565	991			5279
5280	87°63	2	107 20 47·09	—8·541	—0·452								5280
5281	92°00	3	109 0 44·02	—8·548	—0·456	+0·140							5281
5282	91°96	3	112 5 48·23	—8·553	—0·466								5282
5283	80°96	9	79 39 14·92	—8·556	—0·372	—0·008	2511	264	37598	1007	10650	3239	5283
5284	89°62	3	93 55 52·19	—8·558	—0·413				37581	997			5284
5285	92°28	3	98 25 15·49	—8·569	—0·425					1000			5285
5286	92°05	3	96 36 40·15	—8·591	—0·420					1008			5286
5287	84°64	3	111 13 40·54	—8·595	—0·463			260	37577				5287
5288	83°94	3	103 58 25·73	—8·622	—0·440			265					5288
5289	89°56	3	95 30 14·65	—8·628	—0·416				37623	1020			5289
5290	88°94	3	92 10 19·64	—8·634	—0·407				37625				5290
5291	91°75	3	106 26 7·96	—8·655	—0·447								5291
5292	87°33	6	71 44 12·41	—8·671	—0·348	—0·031	2516	279	37671			3242	5292
5293	86°54	3	102 23 33·29	—8·677	—0·435				37631	1029			5293
5294	84°01	3	102 35 29·51	—8·690	—0·436			271	37638	1033			5294
5295	88°98	3	92 5 56·36	—8·707	—0·406				37653	1045			5295
5296	85°57	4	101 8 36·76	—8·709	—0·431	—0·008	2515	273	37649			3243	5296
5297	89°50	4	94 46 9·11	—8·722	—0·413				37664	1053			5297
5298	91°75	3	113 3 21·03	—8·767	—0·466				37659				5298
5299	89°53	3	94 48 16·31	—8·774	—0·412				37697	1063			5299
5300	83°99	3	100 17 0·30	—8·801	—0·427				37701	1067			5300
5301	86°62	3	104 11 59·54	—8·812	—0·439				37700	1068			5301
5302	85°96	3	101 2 30·68	—8·848	—0·429	—0·057	2519	286	37724	1083		3251	5302
5303	88°29	6	94 58 19·03	—8·868	—0·412				37745	1092			5303
5304	80°36	6	81 25 17·80	—8·902	—0·374	—0·384	2524	294	37771	1111	10682	3253	5304
5305	84°56	3	92 44 18·45	—8·904	—0·405				37763	1109		3254	5305
5306	89°96	3	102 54 3·79	—8·904	—0·434								5306
5307	89°72	3	105 3 23·27	—8·907	—0·440								5307
5308	87°54	3	103 18 40·87	—8·916	—0·435				37759	1106			5308
5309	85°73	4	101 13 45·69	—8·919	—0·429					1108			5309
5310	81°66	3	109 19 25·29	—8·932	—0·452	+0·045	2522	291				3256	5310

5283, 5304, 5310, are respectively 4438, 4456, 4455 of the Radcliffe Catalogue, 1845.
 5268, 5276, 5283, 5287, 5292, 5296, 5304, are respectively 1882, 1886, 1888, 1889, 1896, 1897, 1903 of the Radcliffe Catalogue, 1860.
 5268, 5281. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A. h. m. s.	Precess. s.	Sec. Var. s.	Proper Motion. s.	No.
5311	Aquilæ	7	7	87.41	3	19 46 3.607	+ 3.3088	— 0.0064		5311
5312	Sagittarii	8-7	3	91.67	3	19 46 8.322	+ 3.4420	— 0.0086		5312
5313	Aquilæ	8-7	4	85.74	3	19 46 21.975	+ 3.3100	— 0.0065		5313
5314	Sagittarii	8-9	3	91.61	3	19 46 23.694	+ 3.5398	— 0.0103		5314
5315	Sagittarii	7-6	3	82.97	3	19 46 53.865	+ 3.3899	— 0.0078		5315
5316	Aquilæ	8-7	2	90.36	3	19 47 22.869	+ 3.1941	— 0.0049		5316
5317	Aquilæ	8	4	89.61	3	19 47 30.378	+ 3.1738	— 0.0047		5317
5318	Aquilæ	6	1	87.61	3	19 47 32.994	+ 3.1433	— 0.0043		5318
5319	Sagittarii	6-7	3	90.32	3	19 47 42.510	+ 3.6085	— 0.0118	— 0.0090	5319
5320	56 Aquilæ	6-7	2	84.02	3	19 48 10.076	+ 3.2581	— 0.0058	— 0.0012	5320
5321	Aquilæ	8-7	1	89.63	3	19 48 25.558	+ 3.1835	— 0.0048		5321
5322	57 Aquilæ	6	1	81.67	3	19 48 40.397	+ 3.2503	— 0.0058	— 0.0014	5322
5323	Aquilæ	7	1	81.67	3	19 48 40.712	+ 3.2507	— 0.0058		5323
5324	Sagittarii	7	2	87.71	3	19 48 59.577	+ 3.4952	— 0.0098		5324
5325	58 Aquilæ	6-7	1	85.64	3	19 49 6.669	+ 3.0728	— 0.0034	+ 0.0003	5325
5326	Aquilæ	7-6	2	88.31	3	19 49 25.507	+ 3.2187	— 0.0054		5326
5327	60 Aquilæ β	4*	...	87.91	38	19 49 54.587	+ 2.9451	— 0.0021	+ 0.0007	5327
5328	Sagittarii	8-7	3	89.33	3	19 50 19.347	+ 3.4122	— 0.0085		5328
5329	Aquilæ	8	2	91.71	3	19 51 20.695	+ 3.0989	— 0.0038		5329
5330	Aquilæ	8-9	3	89.56	3	19 51 29.050	+ 3.1755	— 0.0049		5330
5331	Aquilæ	7-6	2	84.89	3	19 51 31.042	+ 3.2173	— 0.0055	— 0.0020	5331
5332	Aquilæ	7	2	88.63	3	19 51 35.497	+ 3.0713	— 0.0035		5332
5333	61 Sagittarii γ	5-6	3	83.15	6	19 51 42.592	+ 3.4063	— 0.0085	— 0.0014	5333
5334	Sagittarii	8-9	3	91.67	3	19 51 48.245	+ 3.5891	— 0.0118		5334
5335	Aquilæ	7-8	3	88.33	3	19 51 54.587	+ 3.2669	— 0.0062		5335
5336	Aquilæ	7-8	2	86.62	3	19 52 4.292	+ 3.2120	— 0.0054		5336
5337	Aquilæ	9-8	1	89.60	3	19 52 6.680	+ 3.1857	— 0.0050		5337
5338	60 Sagittarii A	6	1	82.90	3	19 52 14.846	+ 3.6605	— 0.0134	0.0000	5338
5339	Aquilæ	8-9	...	89.64	3	19 52 21.324	+ 3.2099	— 0.0054		5339
5340	Aquilæ	7-8	3	87.57	3	19 52 39.368	+ 3.1245	— 0.0041		5340
5341	Aquilæ	8	3	89.63	3	19 52 41.172	+ 3.1684	— 0.0048		5341
5342	Sagittarii	8-9	2	91.63	3	19 52 42.623	+ 3.4612	— 0.0095		5342
5343	Aquilæ	7-6	4	85.63	3	19 52 46.054	+ 3.1518	— 0.0046		5343
5344	Sagittarii	7-6	2	83.96	3	19 53 2.883	+ 3.5604	— 0.0115		5344
5345	Sagittarii	7-8	3	86.69	4	19 53 29.016	+ 3.3228	— 0.0072		5345
5346	Aquilæ	6	3	84.33	3	19 53 48.404	+ 3.2849	— 0.0066	— 0.0210	5346
5347	12 Sagittæ γ	3-4	1	87.56	3	19 53 51.901	+ 2.6634	+ 0.0003	+ 0.0030	5347
5348	Sagittarii	9-8	2	91.72	3	19 53 55.327	+ 3.5273	— 0.0109		5348
5349	Aquilæ	7	2	85.03	3	19 53 58.703	+ 3.1190	— 0.0042		5349
5350	Sagittarii	7-8	1	89.40	3	19 54 6.162	+ 3.5037	— 0.0105		5350
5351	Sagittarii	8-9	...	91.69	4	19 54 8.294	+ 3.3500	— 0.0077	0.0000	5351
5352	Sagittarii	7-8	3	89.95	3	19 54 15.036	+ 3.4133	— 0.0088		5352
5353	Sagittarii	6-7	1	84.66	3	19 54 51.553	+ 3.5711	— 0.0119		5353
5354	Sagittarii	7	3	85.02	3	19 54 56.116	+ 3.3700	— 0.0081		5354
5355	Aquilæ	7-8	2	89.61	3	19 55 0.481	+ 3.1670	— 0.0049		5355

5320. Reddish star.

5335. Double: the companion, of the 9-10 magnitude, follows, and is south. A star, Lalande 38028, follows the double by about 6^s.5, and is 1' south.

5341. A fainter star, Schön. Z. — 4°, 4982, precedes 18^s on the same parallel.

5352. A star of the 9-10 magnitude follows 6^s, and is north.

5343. Red star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
5311	87.41	3	101 10 24.02	-8.953	-0.428				37781	1115			5311
5312	91.67	3	107 10 0.92	-8.958	-0.445								5312
5313	85.74	3	101 14 16.26	-8.976	-0.428				37790	1123			5313
5314	91.61	3	111 20 54.75	-8.979	-0.458				37782				5314
5315	82.97	3	104 53 3.93	-9.018	-0.438				37797				5315
5316	90.36	3	95 49 22.23	-9.056	-0.412				37826				5316
5317	89.61	3	94 51 22.99	-9.065	-0.409					1158			5317
5318	87.61	3	93 23 55.07	-9.069	-0.405				37832			3263	5318
5319	90.32	3	114 12 49.96	-9.082	-0.465	+0.450			37813		10699		5319
5320	84.02	3	98 51 33.78	-9.117	-0.419	+0.024	2530	309	37848			3265	5320
5321	89.63	3	95 19 51.40	-9.138	-0.409					1178			5321
5322	81.67	3	98 30 46.71	-9.157	-0.418	+0.002	2531	313	37875	1185			5322
5323	81.67	3	98 31 21.67	-9.157	-0.418			314	37877	1184			5323
5324	87.71	3	109 34 50.35	-9.182	-0.449				37873				5324
5325	85.58	4	90 0 46.78	-9.191	-0.394	+0.015	2535	318	37896	1202		3273	5325
5326	88.31	3	97 1 16.27	-9.216	-0.413				37901	1203			5326
5327	81.78	5	83 52 2.27	-9.253	-0.377	+0.473	2538	324	37938	1222	10712	3274	5327
5328	89.33	3	105 59 43.04	-9.284	-0.437								5328
5329	91.71	3	91 16 46.96	-9.364	-0.396					1245			5329
5330	89.56	3	94 58 45.13	-9.374	-0.405				37995				5330
5331	84.89	3	96 59 11.39	-9.377	-0.411	+0.120			37994	1247			5331
5332	88.63	3	89 56 27.86	-9.382	-0.392				38017	1253			5332
5333	83.10	4	105 46 57.45	-9.392	-0.435	+0.081	2540	329	37988			3279	5333
5334	91.67	3	113 37 28.87	-9.399	-0.458				37980				5334
5335	88.33	3	99 21 9.02	-9.407	-0.417				38018	1255			5335
5336	86.62	3	96 44 20.73	-9.420	-0.410				38034	1260			5336
5337	89.60	3	95 28 49.93	-9.423	-0.406								5337
5338	82.90	3	116 29 32.64	-9.434	-0.467	-0.034	2539	331	37998		10731	3282	5338
5339	89.64	3	96 38 46.37	-9.442	-0.409				38042	1266			5339
5340	87.57	3	92 31 42.33	-9.465	-0.398				38059	1273			5340
5341	89.63	3	94 39 6.72	-9.467	-0.403				38056	1272			5341
5342	91.63	3	108 15 21.70	-9.470	-0.441								5342
5343	85.63	3	93 50 59.66	-9.473	-0.401				38060	1276			5343
5344	83.96	3	112 30 31.65	-9.495	-0.453				38048				5344
5345	86.69	4	102 0 50.59	-9.529	-0.422				38078	1287			5345
5346	84.33	3	100 14 40.99	-9.554	-0.417	+0.390			38100	1300		3289	5346
5347	85.55	5	70 48 22.48	-9.558	-0.337	-0.037	2550	352	38135			3290	5347
5348	91.72	3	111 9 23.02	-9.562	-0.448			339	38081				5348
5349	85.03	3	92 16 5.30	-9.567	-0.396				38112				5349
5350	89.40	3	110 9 25.22	-9.576	-0.445				38096				5350
5351	91.69	4	103 17 30.06	-9.579	-0.425	+0.120				1306			5351
5352	89.95	3	106 11 11.44	-9.588	-0.433				38104				5352
5353	84.66	3	113 2 20.66	-9.635	-0.453			351	38123		10756	3297	5353
5354	85.02	3	104 14 30.94	-9.640	-0.427				38138	1319			5354
5355	89.61	3	94 36 43.08	-9.645	-0.401				38151	1330			5355

5327, 5333, are respectively 4488, 4500 of the Radcliffe Catalogue, 1845.
 5322, 5323, 5325, 5327, 5333, 5338, are respectively 1909, 1910, 1915, 1917, 1920, 1921 of the Radcliffe Catalogue, 1860.
 5319, 5331, 5346, 5351. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A. h. m. s.	Precess. s.	Sec. Var. s.	Proper Motion. s.	No.
5356	Aquilæ	7-8	3	90°60	3	19 55 12.514	+ 3.3020	- 0.0069		5356
5357	Sagittarii	7-8	1	87°97	3	19 55 14.352	+ 3.4344	- 0.0093		5357
5358	Aquilæ	8-9	1	89°65	3	19 55 42.984	+ 3.2095	- 0.0056		5358
5359	63 Sagittarii	6	2	83°70	3	19 55 48.717	+ 3.3629	- 0.0079	+ 0.0002	5359
5360	62 Sagittarii <i>c</i>	5-4	2	87°13	22	19 55 53.580	+ 3.6947	- 0.0147	+ 0.0004	5360
5361	Aquilæ	7-8	2	85°71	4	19 56 0.118	+ 3.0828	- 0.0037		5361
5362	Aquilæ	7-6	4	86°62	6	19 56 20.798	+ 3.1808	- 0.0052		5362
5363	Sagittarii	7-8	...	90°38	3	19 56 33.198	+ 3.4712	- 0.0101		5363
5364	Aquilæ	8-7	2	89°38	3	19 56 52.087	+ 3.1469	- 0.0047		5364
5365	Aquilæ	8	2	91°75	3	19 57 2.560	+ 3.2644	- 0.0065	0.0000	5365
5366	Aquilæ	8-9	1	89°66	3	19 57 8.030	+ 3.2364	- 0.0061		5366
5367	Sagittarii	7-6	2	82°58	3	19 57 13.148	+ 3.5650	- 0.0120		5367
5368	Sagittarii	7-8	3	84°64	3	19 57 19.559	+ 3.4005	- 0.0089		5368
5369	Sagittarii	5-6	...	84°00	3	19 57 20.811	+ 3.8111	- 0.0177		5369
5370	Aquilæ	8-9	1	90°01	3	19 57 24.889	+ 3.1732	- 0.0051		5370
5371	Aquilæ	7-8	2	85°72	3	19 57 48.249	+ 3.0769	- 0.0038		5371
5372	Aquilæ	8-7	2	91°71	3	19 58 1.258	+ 3.2658	- 0.0065		5372
5373	Aquilæ	7	2	82°63	3	19 58 5.967	+ 3.2314	- 0.0060		5373
5374	Sagittarii	7	2	81°63	3	19 58 29.678	+ 3.5332	- 0.0115		5374
5375	62 Aquilæ	6	3	83°63	3	19 58 43.077	+ 3.0931	- 0.0040	- 0.0015	5375
5376	64 Sagittarii	7-6	2	85°25	3	19 59 0.952	+ 3.3173	- 0.0074	- 0.0025	5376
5377	Sagittarii	7-8	3	85°76	3	19 59 6.267	+ 3.4203	- 0.0093		5377
5378	Aquilæ	7-8	2	87°96	3	19 59 18.741	+ 3.1662	- 0.0050		5378
5379	65 Sagittarii	7-6	2	81°65	3	19 59 19.471	+ 3.3397	- 0.0078	- 0.0027	5379
5380	Aquilæ	8-9	2	89°59	3	19 59 26.967	+ 3.2127	- 0.0058		5380
5381	Aquilæ	7	1	88°97	3	19 59 42.883	+ 3.0696	- 0.0037		5381
5382	Sagittarii	7-8	3	88°65	3	19 59 50.493	+ 3.4896	- 0.0108		5382
5383	64 Draconis <i>e</i>	5	3	82°43	8	20 0 18.650	+ 0.6457	- 0.0209	- 0.0022	5383
5384	Aquilæ	6-7	3	82°67	3	20 0 24.406	+ 3.1613	- 0.0051		5384
5385	Aquilæ	8	2	91°74	3	20 0 30.400	+ 3.1135	- 0.0042		5385
5386	Sagittarii	7	...	80°66	3	20 0 33.192	+ 3.7410	- 0.0165		5386
5387	Sagittarii	7-8	2	85°35	3	20 0 38.255	+ 3.3445	- 0.0080		5387
5388	Sagittarii	8-7	2	89°96	3	20 0 43.990	+ 3.3341	- 0.0078		5388
5389	Sagittarii	8	3	91°62	3	20 0 46.007	+ 3.4371	- 0.0098		5389
5390	Aquilæ	7-8	3	87°60	6	20 0 47.938	+ 3.1681	- 0.0052		5390
5391	Aquilæ	8-7	3	89°61	4	20 0 49.905	+ 3.2211	- 0.0059		5391
5392	Aquilæ	8-7	1	89°48	6	20 1 6.913	+ 3.2450	- 0.0064		5392
5393	Aquilæ	8	3	87°60	4	20 1 11.749	+ 3.0815	- 0.0039		5393
5394	Sagittarii	7	3	83°69	3	20 1 51.591	+ 3.4720	- 0.0106		5394
5395	Sagittarii	8	2	91°76	3	20 2 2.801	+ 3.5830	- 0.0129		5395
5396	Aquilæ	7	2	86°61	3	20 2 14.196	+ 3.2155	- 0.0060		5396
5397	Sagittarii	7-6	3	86°72	3	20 2 16.718	+ 3.3884	- 0.0090	0.0000	5397
5398	67 Draconis <i>p</i>	5	1	90°37	3	20 2 19.266	+ 0.2857	- 0.0326	+ 0.0006	5398
5399	64 Aquilæ	7-6	3	81°66	3	20 2 21.079	+ 3.0925	- 0.0041	+ 0.0061	5399
5400	Sagittarii	7-8	2	86°64	3	20 2 24.931	+ 3.3716	- 0.0086		5400

5361. Very close double: the first and northern star is of the 9-10 magnitude, the second star is of the 8 magnitude. Observed as one mass.

5385. A fainter star, Schön. Z. -2°, 5177, precedes, and is about 2' south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. " " "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
5356	90°60	3	101 4 59'32	— 9'662	— 0'418				38141				5356
5357	87°97	3	107 10 8'40	— 9'663	— 0'435					1349			5357
5358	89°65	3	96 40 40'05	— 9'700	— 0'405					1347			5358
5359	83°70	3	103 56 28'42	— 9'708	— 0'425	— 0'025	2551	360	38178		10762	3301	5359
5360	84°08	5	118 0 54'30	— 9'714	— 0'467	— 0'024	2549	355	38159				5360
5361	85°71	4	90 30 8'96	— 9'722	— 0'389			365	38205	1368			5361
5362	86°21	7	95 17 38'96	— 9'749	— 0'401				38214				5362
5363	90°38	3	108 50 59'74	— 9'764	— 0'438				38241				5363
5364	89°38	3	93 38 51'43	— 9'788	— 0'396				38242	1386			5364
5365	91°75	3	99 20 41'92	— 9'802	— 0'411	+ 0'120							5365
5366	89°66	3	98 0 4'59	— 9'809	— 0'407								5366
5367	82°58	3	112 54 13'34	— 9'815	— 0'449			369	38227		10773	3305	5367
5368	84°64	3	105 43 13'55	— 9'824	— 0'428			372	38243				5368
5369	83°16	4	122 21 51'00	— 9'825	— 0'480			366			10774	3307	5369
5370	90°01	3	94 56 18'47	— 9'830	— 0'399				38252	1395			5370
5371	85°72	3	90 13 4'23	— 9'859	— 0'387			376	38275	1404			5371
5372	91°71	3	99 26 3'49	— 9'876	— 0'410				38268	1405			5372
5373	82°63	3	97 46 36'84	— 9'882	— 0'406				38280	1412			5373
5374	81°63	3	111 37 23'81	— 9'913	— 0'444			377	38277			3310	5374
5375	83°63	3	91 0 55'29	— 9'929	— 0'388	+ 0'103	2562	383	38321	1429			5375
5376	85°25	3	101 54 35'35	— 9'952	— 0'416	+ 0'009	2560	382	38318	1432			5376
5377	85°76	3	106 41 3'19	— 9'958	— 0'429			381	38314				5377
5378	87°96	3	94 37 16'94	— 9'975	— 0'396				38342	1443			5378
5379	81°65	3	102 58 30'73	— 9'975	— 0'418	+ 0'018	2563	384	38330			3317	5379
5380	89°59	3	96 53 47'22	— 9'985	— 0'402			389	38351				5380
5381	88°97	3	89 51 26'31	— 10'005	— 0'384				38374	1456			5381
5382	88°65	3	109 48 11'92	— 10'014	— 0'437			388					5382
5383	82°23	9	25 29 13'40	— 10'051	— 0'077	+ 0'022	2578	421				3323	5383
5384	82°67	3	94 23 26'54	— 10'057	— 0'395				38388	1472			5384
5385	91°74	3	92 1 51'11	— 10'064	— 0'388					1479			5385
5386	80°66	4	120 2 15'61	— 10'068	— 0'468						10795		5386
5387	85°35	3	103 14 29'65	— 10'074	— 0'417			396	38384	1474			5387
5388	89°96	3	102 45 17'59	— 10'082	— 0'416			398	38400	1478			5388
5389	91°62	3	107 30 36'49	— 10'084	— 0'429								5389
5390	87°60	6	94 43 53'68	— 10'087	— 0'395				38405	1484			5390
5391	89°61	4	97 19 45'79	— 10'089	— 0'402				38416	1489			5391
5392	89°48	6	98 29 49'32	— 10'111	— 0'404				38433	1492			5392
5393	87°60	4	90 26 52'06	— 10'117	— 0'384			402	38413				5393
5394	83°69	3	109 7 16'51	— 10'168	— 0'432				38434				5394
5395	91°76	3	113 54 21'23	— 10'181	— 0'446							3325	5395
5396	86°61	3	97 4 43'55	— 10'195	— 0'399				38458				5396
5397	86°72	3	105 20 47'98	— 10'199	— 0'421	+ 0'150		404	38452				5397
5398	83°71	16	22 26 24'34	— 10'202	— 0'032	— 0'034	2587	21	38675			3330	5398
5399	81°66	3	90 59 38'52	— 10'204	— 0'384	+ 0'062	2571	408	38476	1521		3327	5399
5400	86°64	3	104 34 22'50	— 10'209	— 0'419				38455	1512			5400

5360, 5383, 5398, are respectively 4537, 4582, 4597 of the Radcliffe Catalogue, 1845.
 5360, 5367, 5368, 5374, 5397, 5399, are respectively 1929, 1931, 1932, 1933, 1938, 1939 of the Radcliffe Catalogue, 1860.
 5365, 5397. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
5401	Capricorni	7-8	2	86.99	3	20	2	28.149	+ 3.2885	- 0.0073		5401
5402	Capricorni	7-6	3	82.35	3	20	2	30.413	+ 3.2832	- 0.0071		5402
5403	Aquilæ	8-7	4	90.28	3	20	2	49.008	+ 3.2206	- 0.0061		5403
5404	Sagittarii	7-8	1	91.80	3	20	3	7.788	+ 3.5114	- 0.0116	+ 0.0030	5404
5405	Aquilæ	8-7	4	87.40	3	20	3	12.091	+ 3.0820	- 0.0039		5405
5406	Aquilæ	8-7	...	90.38	3	20	3	36.144	+ 3.1310	- 0.0046		5406
5407	Sagittarii	7-8	1	90.05	3	20	4	2.846	+ 3.4828	- 0.0110	- 0.0020	5407
5408	Aquilæ	8-7	3	85.70	3	20	4	37.948	+ 3.2026	- 0.0058		5408
5409	Capricorni	9-8	2	91.77	3	20	5	4.988	+ 3.3963	- 0.0094		5409
5410	Aquilæ	6-7	6	86.07	6	20	5	12.181	+ 3.2568	- 0.0068		5410
5411	Aquilæ	7	5	83.65	3	20	5	14.162	+ 3.2009	- 0.0058		5411
5412	Aquilæ	9	3	91.74	3	20	5	21.854	+ 3.1701	- 0.0054		5412
5413	65 Aquilæ	θ	3	86.21	98	20	5	37.726	+ 3.0954	- 0.0042	- 0.0001	5413
5414	Aquilæ	7-8	3	84.62	3	20	5	38.346	+ 3.0818	- 0.0040		5414
5415	Aquilæ	6-7	3	84.62	3	20	5	39.904	+ 3.0815	- 0.0040		5415
5416	1 Capricorni	ξ ¹	7-6	...	3	20	5	52.146	+ 3.3299	- 0.0081	- 0.0028	5416
5417	2 Capricorni	ξ ²	6	3	3	20	6	18.115	+ 3.3342	- 0.0082	+ 0.0108	5417
5418	Aquilæ	7-8	3	88.62	3	20	6	18.996	+ 3.2411	- 0.0065		5418
5419	Aquilæ	7	3	85.36	3	20	6	46.317	+ 3.2060	- 0.0060		5419
5420	Aquilæ	7	3	84.36	3	20	7	2.469	+ 3.1385	- 0.0048		5420
5421	Aquilæ	6-7	1	84.72	3	20	7	25.239	+ 3.0856	- 0.0041		5421
5422	66 Aquilæ	6-5	1	83.68	3	20	7	33.059	+ 3.0990	- 0.0043	+ 0.0001	5422
5423	Ursæ Minoris	7-8	2	89.15	5	20	7	39.885	- 50.9643	- 25.6826		5423
5424	Capricorni	8-7	2	91.68	3	20	7	49.615	+ 3.5393	- 0.0126		5424
5425	Aquilæ	7-8	3	85.62	3	20	8	0.772	+ 3.2714	- 0.0072		5425
5426	Capricorni	8-7	1	91.07	3	20	8	8.951	+ 3.4501	- 0.0107		5426
5427	Aquilæ	7-8	3	83.77	3	20	8	19.916	+ 3.0964	- 0.0043	- 0.0070	5427
5428	Sagittarii	6	1	86.40	4	20	8	25.514	+ 3.6585	- 0.0156	+ 0.0982	5428
5429	Aquilæ	7-8	2	82.67	3	20	8	32.549	+ 3.1991	- 0.0060		5429
5430	Capricorni	7-8	2	86.64	3	20	8	45.993	+ 3.2970	- 0.0077		5430
5431	Capricorni	7	3	85.72	3	20	8	59.128	+ 3.3485	- 0.0086		5431
5432	Aquilæ	8-7	5	82.59	3	20	9	24.262	+ 3.1483	- 0.0052		5432
5433	Aquilæ	7	5	84.23	5	20	9	24.960	+ 3.1482	- 0.0052		5433
5434	Aquilæ	7	2	84.70	3	20	9	32.777	+ 3.1886	- 0.0058		5434
5435	Aquilæ	7	1	84.30	3	20	9	33.563	+ 3.2285	- 0.0065		5435
5436	Capricorni	8	3	91.66	3	20	9	52.253	+ 3.4911	- 0.0118		5436
5437	Aquilæ	7-8	3	87.29	3	20	9	59.070	+ 3.1296	- 0.0048		5437
5438	31 Cygni	ο ²	4*	...	3	20	10	10.016	+ 1.8888	+ 0.0004	- 0.0004	5438
5439	3 Capricorni	7-6	2	82.70	3	20	10	17.403	+ 3.3258	- 0.0083	- 0.0014	5439
5440	Capricorni	7-8	2	89.00	3	20	10	33.946	+ 3.3851	- 0.0096		5440
5441	Capricorni	7-8	5	83.99	3	20	10	39.952	+ 3.5193	- 0.0124		5441
5442	Aquilæ	7-8	2	89.39	3	20	10	44.339	+ 3.1086	- 0.0045		5442
5443	Aquilæ	7	3	86.70	3	20	11	4.285	+ 3.1477	- 0.0052		5443
5444	23 Vulpeculæ	5*	...	90.36	3	20	11	12.629	+ 2.4881	+ 0.0014	- 0.0046	5444
5445	Capricorni	7-8	3	89.01	3	20	11	13.374	+ 3.3982	- 0.0099		5445

5423. This star has been suspected of variability between the 5 and 11 magnitudes, and designated R Cephei. The Oxford estimations of magnitude were 7 and 7-8 on 1890, Sept. 20 and Oct. 1.

5441. Deep red star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
5401	86.99	3	100 37 56.35	— 10.213	— 0.408				38463	1516			5401
5402	82.35	3	100 22 48.89	— 10.215	— 0.408			406	38467	1519			5402
5403	90.28	3	97 20 23.77	— 10.239	— 0.399				38544	1529			5403
5404	91.80	3	110 54 44.55	— 10.263	— 0.436	+ 0.120		410	38483				5404
5405	87.40	3	90 28 28.50	— 10.268	— 0.382				38527	1543			5405
5406	90.38	3	92 55 17.96	— 10.298	— 0.387				38538	6			5406
5407	90.05	3	109 42 9.98	— 10.332	— 0.431	+ 0.130		417	38533				5407
5408	85.70	3	96 29 11.98	— 10.376	— 0.395			423	38581	34			5408
5409	91.52	4	105 49 17.48	— 10.409	— 0.419			4	38602	46			5409
5410	86.07	6	99 10 2.10	— 10.418	— 0.401			6	38610	49			5410
5411	83.65	3	96 24 44.85	— 10.421	— 0.394								5411
5412	91.74	3	94 53 12.99	— 10.430	— 0.390								5412
5413	81.50	16	91 8 49.06	— 10.450	— 0.381	— 0.014	2576	10	38627	63	10825	3336	5413
5414	84.62	3	90 27 54.25	— 10.450	— 0.379			11		64			5414
5415	84.62	3	90 27 4.33	— 10.453	— 0.379			12	38632	65			5415
5416	82.73	3	102 43 6.92	— 10.468	— 0.410	+ 0.012	2575	7	38621	61			5416
5417	81.63	3	102 56 20.49	— 10.500	— 0.410	+ 0.180	2577	16	38641	75			5417
5418	88.62	3	98 25 8.24	— 10.501	— 0.398				38649	77			5418
5419	85.36	3	96 41 37.58	— 10.535	— 0.393				38679	94			5419
5420	84.36	3	93 19 29.66	— 10.555	— 0.385				38698	104			5420
5421	84.72	3	90 39 37.14	— 10.583	— 0.378				38713				5421
5422	83.68	3	91 20 17.01	— 10.593	— 0.379	+ 0.019	2584	31	38722	115			5422
5423	88.99	5	1 12 10.57	— 10.603	+ 6.313								5423
5424	91.68	3	112 22 12.84	— 10.614	— 0.433								5424
5425	85.62	3	99 56 56.32	— 10.628	— 0.400				38738	126			5425
5426	91.07	3	108 25 36.77	— 10.638	— 0.422				38760				5426
5427	83.77	3	91 12 23.53	— 10.651	— 0.378	— 0.240							5427
5428	86.40	4	117 21 39.41	— 10.657	— 0.447	+ 0.260		29	38711		10835	3340	5428
5429	82.67	3	96 22 47.07	— 10.667	— 0.391				38761	134			5429
5430	86.64	3	101 13 23.93	— 10.683	— 0.402			40	38763	139			5430
5431	85.72	3	103 43 0.16	— 10.699	— 0.408				38771	145			5431
5432	82.59	3	93 50 16.95	— 10.730	— 0.383				38799	165			5432
5433	84.23	5	93 50 8.16	— 10.731	— 0.383				38800	166			5433
5434	84.70	3	95 52 16.68	— 10.741	— 0.388				38804				5434
5435	84.30	3	97 51 57.41	— 10.743	— 0.393				38802	167			5435
5436	91.66	3	110 21 29.37	— 10.765	— 0.425								5436
5437	87.29	3	92 54 0.51	— 10.773	— 0.380			50	38826	177			5437
5438	86.61	4	43 35 30.87	— 10.787	— 0.228	— 0.002	2603	62	38935			3350	5438
5439	82.70	3	102 40 23.47	— 10.795	— 0.404	— 0.002	2589	49	38827	181			5439
5440	89.00	3	105 31 7.37	— 10.816	— 0.411								5440
5441	83.99	3	111 39 19.53	— 10.824	— 0.427				38839				5441
5442	89.39	3	91 50 9.75	— 10.829	— 0.377				38858	197			5442
5443	86.70	3	93 49 34.99	— 10.853	— 0.381				38870	206		3352	5443
5444	85.68	4	62 31 21.92	— 10.864	— 0.300	— 0.010	2602	64	38939			3355	5444
5445	89.01	3	106 9 54.25	— 10.864	— 0.412								5445

5423, 5438, are respectively 4949, 4659 of the Radcliffe Catalogue, 1845.
 5402, 5404, 5407, 5417, 5423, 5428, are respectively 1940, 1944, 1945, 1952, 2000, 1955 of the Radcliffe Catalogue, 1860.
 5404, 5407, 5427. The Proper Motions have been determined in the formation of the present Catalogue.
 5428. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
5446	Capricorni	9-8	4	81.62	3	20 11 31.066	+ 3.3288	- 0.0084		5446
5447	5 Capricorni α^1	5-4	4	85.53	8	20 11 32.963	+ 3.3285	- 0.0084	- 0.0008	5447
5448	4 Capricorni	6-5	2	85.06	3	20 11 33.472	+ 3.5295	- 0.0128	- 0.0002	5448
5449	6 Capricorni α^2	3-4	6	86.86	60	20 11 57.031	+ 3.3290	- 0.0085	+ 0.0022	5449
5450	Aquilæ	7-8	1	90.05	3	20 12 0.866	+ 3.2382	- 0.0068		5450
5451	Capricorni	7-8	3	86.08	3	20 12 1.748	+ 3.2892	- 0.0078		5451
5452	Aquilæ	7-8	2	89.74	3	20 12 21.586	+ 3.1719	- 0.0057		5452
5453	Capricorni	8-7	2	91.69	3	20 12 21.967	+ 3.5767	- 0.0139		5453
5454	1 Cephei κ	4-3	1	82.51	7	20 12 34.784	- 1.9267	- 0.1665	- 0.0015	5454
5455	Aquilæ	7-8	2	88.29	3	20 12 59.846	+ 3.0667	- 0.0040		5455
5456	Capricorni	7	2	84.68	3	20 13 0.655	+ 3.5082	- 0.0125		5456
5457	7 Capricorni σ	6	3	84.62	3	20 13 2.714	+ 3.4675	- 0.0115	- 0.0013	5457
5458	Aquilæ	7-6	1	83.79	3	20 14 2.107	+ 3.1002	- 0.0045		5458
5459	Aquilæ	7-8	3	87.65	3	20 14 7.144	+ 3.0968	- 0.0045		5459
5460	Aquilæ	8-7	2	91.71	3	20 14 9.421	+ 3.1230	- 0.0049		5460
5461	Aquilæ	7-8	3	89.38	3	20 14 12.970	+ 3.0918	- 0.0043		5461
5462	8 Capricorni ν	5-6	3	83.72	3	20 14 33.647	+ 3.3316	- 0.0087	- 0.0016	5462
5463	Aquilæ	7-6	6	85.55	3	20 14 34.641	+ 3.2033	- 0.0063		5463
5464	Capricorni	7-6	2	81.67	3	20 14 35.757	+ 3.3734	- 0.0096	- 0.0002	5464
5465	Capricorni	7-8	1	91.42	3	20 14 39.673	+ 3.4164	- 0.0106		5465
5466	9 Capricorni β	4-3	1	86.58	29	20 14 49.797	+ 3.3732	- 0.0095	+ 0.0008	5466
5467	Aquilæ	8	1	91.72	3	20 14 52.223	+ 3.2306	- 0.0068		5467
5468	Capricorni	8	1	92.62	5	20 14 58.717	+ 3.5634	- 0.0140		5468
5469	Capricorni	7-8	3	85.69	3	20 14 58.981	+ 3.2952	- 0.0080		5469
5470	Aquilæ	7-8	2	86.64	3	20 15 16.687	+ 3.2030	- 0.0063		5470
5471	Capricorni	7-8	2	86.70	3	20 15 29.367	+ 3.2781	- 0.0077		5471
5472	Capricorni	8-7	1	91.12	3	20 15 39.368	+ 3.5276	- 0.0131		5472
5473	Capricorni	7-6	5	82.66	3	20 17 1.545	+ 3.2674	- 0.0076		5473
5474	Capricorni	8-9	2	91.04	3	20 17 5.939	+ 3.5119	- 0.0129	+ 0.0370	5474
5475	Capricorni	7-6	5	84.66	6	20 17 17.051	+ 3.3603	- 0.0095		5475
5476	Aquilæ	8-7	2	91.70	3	20 17 21.791	+ 3.1529	- 0.0056		5476
5477	Aquilæ	7	2	85.64	3	20 17 39.795	+ 3.0880	- 0.0044		5477
5478	Aquilæ	7	2	82.12	4	20 17 47.414	+ 3.1810	- 0.0060		5478
5479	Capricorni	7-8	2	86.64	3	20 18 5.372	+ 3.3567	- 0.0095		5479
5480	37 Cygni γ	3-2	1	88.37	3	20 18 16.835	+ 2.1519	+ 0.0019	- 0.0001	5480
5481	Aquilæ	7-8	2	87.58	3	20 18 29.175	+ 3.0902	- 0.0045		5481
5482	Capricorni	6	...	80.64	3	20 18 42.603	+ 3.6824	- 0.0177	- 0.0015	5482
5483	Capricorni	7	5	87.66	7	20 18 43.421	+ 3.4680	- 0.0121		5483
5484	Capricorni	7	2	85.72	4	20 18 47.540	+ 3.2490	- 0.0073		5484
5485	Aquilæ	8-7	3	86.07	3	20 18 59.944	+ 3.1089	- 0.0048		5485
5486	Capricorni	8-7	3	85.68	3	20 19 4.641	+ 3.3071	- 0.0085		5486
5487	Capricorni	7-8	3	89.01	3	20 19 53.819	+ 3.3730	- 0.0100		5487
5488	Aquilæ	6-7	4	82.57	3	20 19 58.279	+ 3.1329	- 0.0052		5488
5489	Capricorni	7-8	2	88.67	3	20 20 15.799	+ 3.4225	- 0.0111		5489
5490	10 Capricorni π	6-5	2	81.64	3	20 21 1.485	+ 3.4393	- 0.0116	- 0.0009	5490

5452. Lalande's N.P.D. is about 1' too great.

5460. A star of the 9 magnitude, Weiss's Bessel 290, precedes, and is north.

5467. Double: the companion precedes, and is south.

5478. Lalande's R.A. is 1^m too small.

5454. Double: the companion, of the 9-8 magnitude, follows, and is south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
5446	81.60	4	102 51 24.82	— 10.886	— 0.403					215			5446
5447	81.63	4	102 50 50.69	— 10.889	— 0.403	— 0.026	2593	54	38877	218	10861	3357	5447
5448	85.06	3	112 8 56.35	— 10.889	— 0.428	+ 0.027	2591	53				3356	5448
5449	83.56	12	102 53 6.63	— 10.918	— 0.403	— 0.017	2595	58	38898	223	10864	3358	5449
5450	90.05	3	98 24 20.63	— 10.923	— 0.391				38927				5450
5451	86.08	3	100 56 14.23	— 10.924	— 0.398					228			5451
5452	89.74	2	95 4 8.32	— 10.949	— 0.383				38942	237			5452
5453	91.69	3	114 14 10.81	— 10.949	— 0.432				38917				5453
5454	82.27	10	12 37 12.94	— 10.965	+ 0.240	— 0.014	2632	126	39264			3364	5454
5455	88.29	3	89 42 2.68	— 10.995	— 0.369				38971	256			5455
5456	84.68	3	111 17 38.92	— 10.996	— 0.423								5456
5457	84.62	3	109 27 40.81	— 10.998	— 0.418	— 0.008	2597	67	38948			3363	5457
5458	83.79	3	91 25 26.40	— 11.071	— 0.372					285			5458
5459	87.65	3	91 15 4.10	— 11.077	— 0.372					289			5459
5460	91.71	3	92 35 33.44	— 11.079	— 0.375				39016	291			5460
5461	89.38	3	90 59 26.09	— 11.084	— 0.371					294			5461
5462	83.71	4	103 6 16.34	— 11.109	— 0.400	+ 0.005	2608	81	39028			3366	5462
5463	85.55	3	96 42 17.39	— 11.111	— 0.384			84	39042				5463
5464	81.67	3	105 7 51.52	— 11.112	— 0.405	0.000	2607	79	39020			3367	5464
5465	91.42	3	107 10 33.49	— 11.117	— 0.410								5465
5466	83.73	11	105 7 41.15	— 11.129	— 0.404	— 0.022	2609	83	39035		10888	3369	5466
5467	91.72	3	98 5 25.22	— 11.131	— 0.387				39053	305			5467
5468	92.65	8	113 49 27.81	— 11.140	— 0.427				39031				5468
5469	85.69	3	101 19 47.36	— 11.140	— 0.395			90	39055	309			5469
5470	86.64	3	96 42 0.00	— 11.161	— 0.383				39068	322			5470
5471	86.70	3	100 29 31.06	— 11.176	— 0.392			88		329			5471
5472	91.12	3	112 18 19.65	— 11.188	— 0.422								5472
5473	82.66	3	100 0 19.54	— 11.288	— 0.389				39135				5473
5474	91.04	3	111 41 25.67	— 11.293	— 0.418	+ 1.100		102	39140			3375	5474
5475	83.88	5	104 36 30.77	— 11.306	— 0.400				39155	376			5475
5476	91.70	3	94 9 49.73	— 11.312	— 0.375				39208	385			5476
5477	85.64	3	90 48 15.75	— 11.334	— 0.367				39131	386			5477
5478	82.12	4	95 37 6.85	— 11.343	— 0.378			107	39170				5478
5479	86.64	3	104 28 1.41	— 11.364	— 0.398			124	39257			3381	5479
5480	82.64	16	50 5 42.51	— 11.379	— 0.254	— 0.020	2624						5480
5481	87.58	3	90 55 14.89	— 11.393	— 0.366					404			5481
5482	80.64	3	119 1 9.70	— 11.410	— 0.437	— 0.095			39173		10909	3382	5482
5483	87.66	7	109 47 21.50	— 11.410	— 0.411			109	39186				5483
5484	85.72	4	99 7 27.33	— 11.416	— 0.385				39205	407			5484
5485	86.07	3	91 53 48.24	— 11.430	— 0.368			115	39265				5485
5486	85.68	3	102 3 37.18	— 11.436	— 0.391			114	39214	415		3390	5486
5487	89.01	3	105 20 16.20	— 11.495	— 0.398				39247				5487
5488	82.57	3	93 9 23.68	— 11.500	— 0.369								5488
5489	88.67	3	107 44 10.38	— 11.521	— 0.404								5489
5490	81.64	3	108 34 18.10	— 11.575	— 0.405	— 0.012	2623	131	39288				5490

5449, 5454, 5466, 5480, 5490, are respectively 4668, 4728, 4707, 4745, 4767 of the Radcliffe Catalogue, 1845.
 5447, 5448, 5449, 5475, 5480, 5490, are respectively 1959, 1958, 1960, 1970, 1972, 1973 of the Radcliffe Catalogue, 1860.
 5474. The Proper Motions have been determined in the formation of the present Catalogue.
 5482 is 3256 of Auwers' "Neue Reduction der Bradley'schen Beobachtungen."

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
5491	Aquilæ	7-8	6	83.76	3	20	21	23.572	+ 3.1210	- 0.0050		5491
5492	Aquilæ	7-8	3	87.08	3	20	21	43.875	+ 3.1090	- 0.0048		5492
5493	Aquilæ	7	8	83.71	3	20	21	44.443	+ 3.1197	- 0.0051		5493
5494	Aquilæ	7-6	9	83.46	4	20	21	45.168	+ 3.1193	- 0.0051		5494
5495	Aquilæ	7-8	2	86.73	3	20	21	55.763	+ 3.1872	- 0.0063		5495
5496	Capricorni	7	1	84.70	3	20	22	12.858	+ 3.5646	- 0.0148	- 0.0070	5496
5497	Aquilæ	8	2	90.77	3	20	22	15.964	+ 3.2222	- 0.0070		5497
5498	Capricorni	7	2	86.65	3	20	22	28.281	+ 3.2589	- 0.0077		5498
5499	Capricorni	7-8	3	88.30	3	20	22	29.843	+ 3.3066	- 0.0086		5499
5500	Capricorni	7-6	3	84.62	3	20	22	31.453	+ 3.3862	- 0.0105		5500
5501	11 Capricorni ρ	5	4	86.21	49	20	22	35.104	+ 3.4292	- 0.0115	- 0.0028	5501
5502	Capricorni	9-8	2	91.65	3	20	22	35.110	+ 3.4292	- 0.0115	- 0.0028	5502
5503	Capricorni	7	2	85.05	3	20	22	36.523	+ 3.4953	- 0.0131		5503
5504	68 Aquilæ	6-7	2	82.68	3	20	22	39.300	+ 3.1431	- 0.0056	+ 0.0012	5504
5505	Capricorni	7-6	1	86.94	3	20	22	43.036	+ 3.4211	- 0.0113		5505
5506	Capricorni	7-6	3	81.66	3	20	22	43.670	+ 3.4303	- 0.0115	- 0.0013	5506
5507	Capricorni	7-6	3	91.64	9	20	23	3.940	+ 3.5275	- 0.0139		5507
5508	Aquilæ	7-6	3	85.34	3	20	23	7.407	+ 3.1122	- 0.0049		5508
5509	Capricorni	7-8	3	89.39	3	20	23	34.067	+ 3.4444	- 0.0119	- 0.0004	5509
5510	12 Capricorni θ	7-6	3	86.72	3	20	23	35.470	+ 3.4443	- 0.0119	- 0.0006	5510
5511	69 Aquilæ	6-5	2	84.04	3	20	23	54.041	+ 3.1340	- 0.0053	+ 0.0032	5511
5512	Capricorni	8-7	2	91.72	3	20	24	9.494	+ 3.3299	- 0.0092		5512
5513	Capricorni	7	2	89.37	3	20	24	17.926	+ 3.4889	- 0.0131		5513
5514	Capricorni	8	5	86.19	4	20	24	23.038	+ 3.3139	- 0.0089		5514
5515	Capricorni	7	2	90.49	4	20	24	34.230	+ 3.3849	- 0.0106		5515
5516	Aquilæ	8-7	3	88.30	3	20	24	44.630	+ 3.1813	- 0.0063		5516
5517	Capricorni	6-7	2	84.68	3	20	24	54.446	+ 3.3700	- 0.0102		5517
5518	Capricorni	7-8	2	85.65	3	20	24	56.318	+ 3.2705	- 0.0080		5518
5519	Aquilæ	7	5	84.57	5	20	26	6.718	+ 3.1849	- 0.0064		5519
5520	Aquilæ	8	3	91.73	3	20	26	9.990	+ 3.1441	- 0.0056		5520
5521	Aquilæ	7-8	2	88.40	3	20	26	15.910	+ 3.0824	- 0.0045		5521
5522	Aquilæ	7	2	85.11	3	20	26	15.924	+ 3.1780	- 0.0063		5522
5523	Capricorni	7-8	2	89.01	3	20	26	17.758	+ 3.4003	- 0.0111		5523
5524	Capricorni	6	1	81.60	3	20	26	22.566	+ 3.2662	- 0.0080	+ 0.0194	5524
5525	45 Cygni ω^2	4-5	1	84.39	4	20	26	39.141	+ 1.8569	+ 0.0004	0.0000	5525
5526	Aquilæ	8	2	91.42	3	20	26	57.428	+ 3.2288	- 0.0073		5526
5527	Aquilæ	7-8	2	87.99	3	20	27	34.253	+ 3.1961	- 0.0067		5527
5528	2 Cephei θ	4*	...	89.00	3	20	27	43.924	+ 1.0088	- 0.0153	+ 0.0046	5528
5529	2 Delphini ϵ	4-3	5	85.34	38	20	27	57.469	+ 2.8663	- 0.0013	- 0.0006	5529
5530	Capricorni	7	2	82.64	3	20	27	57.645	+ 3.3135	- 0.0091		5530
5531	Capricorni	6-7	3	84.33	6	20	28	4.193	+ 3.3406	- 0.0097		5531
5532	Capricorni	8	1	91.78	3	20	28	8.108	+ 3.4562	- 0.0127		5532
5533	Aquilæ	9-8	7	85.94	4	20	28	42.596	+ 3.1886	- 0.0065		5533
5534	Aquilæ	7-8	3	86.00	3	20	28	54.077	+ 3.0920	- 0.0047		5534
5535	Capricorni	7-6	3	83.71	3	20	29	18.636	+ 3.3955	- 0.0112		5535

5499. A star of the 8-7 magnitude, Lalande 39372, follows, and is north.

5504. Two stars of the 9 magnitude, Schön. Z. - 3°, 4905 and 4907, precede 68 Aquilæ by about 8^s and 1^s respectively, and are south. The three stars form nearly an equilateral triangle.

5514. The Oxford estimations of magnitude range from 7-8 to 8-9.

5533. The magnitude assigned to this star in the *Argentine General Catalogue* is 7.0.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
5491	83°76	3	92 32 48.90	— 11.602	— 0.366				39328	477			5491
5492	87°42	4	91 55 5.62	— 11.626	— 0.364				39333	486			5492
5493	83°71	3	92 28 43.10	— 11.626	— 0.366			139	39334			3394	5493
5494	83°71	3	92 27 44.13	— 11.627	— 0.366			140	39335	487		3395	5494
5495	86°73	3	96 0 56.85	— 11.640	— 0.374				39337				5495
5496	84°70	3	114 20 44.29	— 11.660	— 0.418	+ 0.100			39352		10932		5496
5497	90°77	3	97 50 22.31	— 11.664	— 0.377				39358	502			5497
5498	86°65	3	99 44 1.40	— 11.678	— 0.381				39366	507			5498
5499	88°30	3	102 9 32.59	— 11.681	— 0.387				39361	506			5499
5500	84°62	3	106 6 17.49	— 11.682	— 0.396				39357				5500
5501	82°86	9	108 10 35.84	— 11.686	— 0.401	+ 0.007	2626	142	39355		10934	3396	5501
5502	86°64	4	108 10 39.42	— 11.686	— 0.401	+ 0.007							5502
5503	85°05	3	111 15 54.68	— 11.687	— 0.409				39350				5503
5504	82°68	3	93 43 14.28	— 11.691	— 0.367	+ 0.005	2629	147	39375	517		3397	5504
5505	86°94	3	107 47 53.27	— 11.696	— 0.400			145	39367				5505
5506	81°56	4	108 14 9.41	— 11.697	— 0.401	+ 0.120	2627	144	39364			3398	5506
5507	92°07	15	112 45 20.90	— 11.721	— 0.412			146	39371		10935		5507
5508	85°34	3	92 5 51.72	— 11.724	— 0.363				39397	531			5508
5509	89°39	3	108 56 59.36	— 11.756	— 0.402	+ 0.120	2630	153	39390				5509
5510	86°72	3	108 56 47.43	— 11.757	— 0.402	+ 0.077	2631	154	39394				5510
5511	84°04	3	93 15 2.96	— 11.780	— 0.365	— 0.003	2633	157	39422	542	10938	3402	5511
5512	91°72	3	103 23 41.52	— 11.798	— 0.388				39420	545			5512
5513	89°37	3	111 4 36.81	— 11.808	— 0.406				39419				5513
5514	86°19	4	102 35 53.18	— 11.814	— 0.385								5514
5515	90°49	4	106 8 22.84	— 11.827	— 0.394								5515
5516	88°30	3	95 45 24.96	— 11.840	— 0.369			159		567		3404	5516
5517	84°68	3	105 25 23.57	— 11.851	— 0.391			161	39452	572			5517
5518	85°65	3	100 24 7.66	— 11.853	— 0.380				39509	597			5518
5519	84°57	5	95 58 26.20	— 11.936	— 0.368				39514	601			5519
5520	91°73	3	93 48 43.53	— 11.940	— 0.363				39519	607			5520
5521	88°40	3	90 31 32.99	— 11.947	— 0.356			176	39516	603			5521
5522	85°11	3	95 36 50.25	— 11.947	— 0.367			172	39499				5522
5523	89°01	3	106 58 51.46	— 11.949	— 0.393			174	39513	602		3411	5523
5524	81°60	3	100 13 39.81	— 11.954	— 0.377	— 0.117		192	39618				5524
5525	83°75	7	41 25 4.80	— 11.974	— 0.212	— 0.007	2645						5525
5526	91°42	3	98 18 6.83	— 11.995	— 0.372				39539	621			5526
5527	87°99	3	96 35 35.85	— 12.038	— 0.368								5527
5528	83°90	8	27 22 31.48	— 12.050	— 0.112	+ 0.027	2651	211				3419	5528
5529	81°43	11	79 4 11.78	— 12.065	— 0.329	+ 0.022	2642	191	39607	658	10970	3417	5529
5530	82°64	3	102 43 6.12	— 12.066	— 0.381					644			5530
5531	84°33	6	104 5 55.38	— 12.073	— 0.384			187	39579	646		3418	5531
5532	91°78	3	109 46 22.35	— 12.078	— 0.397				39577				5532
5533	86°67	3	96 13 10.64	— 12.119	— 0.365				39620	672			5533
5534	86°00	3	91 3 4.87	— 12.131	— 0.354			194	39638	683		3423	5534
5535	83°71	3	106 54 10.75	— 12.160	— 0.389				39632				5535

5501, 5517, 5525, 5528, are respectively, 4779, 4796, 4829, 4848 of the Radcliffe Catalogue, 1845.
 5501, 5506, 5507, 5511, 5515, 5529, are respectively 1976, 1977, 1980, 1981, 1983, 1992 of the Radcliffe Catalogue, 1860.
 5496. The Proper Motions have been determined in the formation of the present Catalogue.
 5524. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
5536	Capricorni	7	3	89.01	3	20	30	4.452	+ 3.4788	- 0.0134		5536
5537	Aquilæ	7-8	3	85.65	3	20	30	8.192	+ 3.0795	- 0.0045		5537
5538	Capricorni	7-6	2	82.68	3	20	30	12.357	+ 3.3125	- 0.0092		5538
5539	70 Aquilæ	5*	...	81.60	3	20	30	59.962	+ 3.1266	- 0.0054	- 0.0003	5539
5540	13 Capricorni	τ^1	7	83.95	4	20	31	10.969	+ 3.3660	- 0.0106	+ 0.0020	5540
5541	Capricorni	7-8	6	89.33	10	20	31	34.221	+ 3.5558	- 0.0156		5541
5542	Capricorni	7	3	82.44	3	20	31	34.878	+ 3.4052	- 0.0116		5542
5543	Aquilæ	7-6	3	85.14	4	20	31	39.987	+ 3.0777	- 0.0045		5543
5544	Capricorni	7-8	3	84.69	3	20	31	54.948	+ 3.2853	- 0.0088		5544
5545	Capricorni	7-8	3	86.68	3	20	32	2.484	+ 3.4848	- 0.0138		5545
5546	Aquarii	7	3	85.36	3	20	32	21.249	+ 3.1602	- 0.0062		5546
5547	6 Delphini	β	4-3	87.99	3	20	32	23.471	+ 2.8060	- 0.0004	+ 0.0057	5547
5548	Aquarii	8-7	3	89.35	3	20	32	33.614	+ 3.1626	- 0.0062		5548
5549	71 Aquilæ	4-5	2	84.35	3	20	32	39.298	+ 3.0998	- 0.0049	- 0.0003	5549
5550	Capricorni	8	1	91.68	3	20	32	57.036	+ 3.4478	- 0.0128		5550
5551	73 Draconis	5-6	4	82.65	8	20	32	57.170	- 0.7338	- 0.1019	+ 0.0017	5551
5552	Aquarii	7-8	3	86.68	4	20	33	1.463	+ 3.2347	- 0.0077		5552
5553	14 Capricorni	τ^2	5-6	83.59	7	20	33	7.224	+ 3.3604	- 0.0105	- 0.0012	5553
5554	Aquarii	7-6	2	82.96	3	20	33	17.507	+ 3.1701	- 0.0064		5554
5555	Aquarii	6-7	3	83.77	2	20	33	29.903	+ 3.1237	- 0.0053	- 0.0030	5555
5556	Capricorni	7-6	4	84.64	3	20	33	38.883	+ 3.5427	- 0.0155	+ 0.0316	5556
5557	1 Aquarii	6-5	3	86.69	3	20	33	46.554	+ 3.0707	- 0.0044	+ 0.0050	5557
5558	15 Capricorni	ν	5	84.72	3	20	33	47.188	+ 3.4234	- 0.0122	- 0.0034	5558
5559	Capricorni	8-7	5	87.29	3	20	33	51.248	+ 3.5495	- 0.0157	+ 0.0080	5559
5560	Cygni	8	2	83.48	3	20	34	18.784	+ 1.9296	+ 0.0013		5560
5561	Capricorni	6-7	2	81.68	3	20	34	21.710	+ 3.3823	- 0.0113		5561
5562	Aquarii	7-6	1	85.38	3	20	34	28.724	+ 3.1280	- 0.0055		5562
5563	9 Delphini	α	4-3	89.94	13	20	34	31.750	+ 2.7824	- 0.0001	+ 0.0031	5563
5564	Capricorni	8	1	88.38	3	20	34	52.191	+ 3.3501	- 0.0104		5564
5565	Aquarii	8	2	91.78	3	20	34	53.790	+ 3.2040	- 0.0071		5565
5566	Capricorni	7-8	3	85.67	3	20	35	6.976	+ 3.3302	- 0.0099		5566
5567	Aquarii	8	1	91.77	3	20	35	9.027	+ 3.2569	- 0.0082		5567
5568	Aquarii	7-8	2	86.04	3	20	35	34.104	+ 3.1890	- 0.0068		5568
5569	Capricorni	8-9	2	91.78	3	20	35	40.276	+ 3.3075	- 0.0095		5569
5570	Aquarii	7	1	84.00	3	20	35	44.913	+ 3.2810	- 0.0088		5570
5571	Aquarii	8-7	3	88.38	3	20	35	58.544	+ 3.2401	- 0.0079		5571
5572	Capricorni	8-7	3	89.72	4	20	36	24.224	+ 3.4197	- 0.0124		5572
5573	Aquarii	7-6	2	84.02	3	20	36	40.082	+ 3.2808	- 0.0088		5573
5574	Aquarii	7	7	85.05	6	20	36	44.216	+ 3.1217	- 0.0054		5574
5575	Aquarii	8-7	5	85.40	3	20	36	54.821	+ 3.1224	- 0.0054		5575
5576	Capricorni	8-7	2	91.78	4	20	37	1.415	+ 3.5087	- 0.0149		5576
5577	Capricorni	6-7	1	89.64	3	20	37	32.937	+ 3.2928	- 0.0092		5577
5578	50 Cygni	α	2-1*	83.39	7	20	37	40.972	+ 2.0438	+ 0.0022	- 0.0003	5578
5579	Aquarii	8-7	2	85.74	3	20	38	3.551	+ 3.1873	- 0.0069		5579
5580	Capricorni	7	2	86.66	3	20	38	26.196	+ 3.3404	- 0.0104		5580

5546. A star of the 8-9 magnitude, Lalande 39767, precedes about 25^s, and is north.

5559. Lalande's N.P.D. is about 25" too small.

5565. A star of the 8-9 magnitude, Weisse's Bessel 846, follows several seconds, and is north.

5571. A star of the 8 magnitude, Schön. Z. -9°, 5546, precedes about 20^s, and is south.

5574, 5575. The magnitude assigned to both these stars in Weisse's Bessel is 9.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
5536	89°01	3	110 57 52.86	— 12.212	— 0.397			200	39665				5536
5537	85.65	3	90 22 46.39	— 12.217	— 0.351				39690	715			5537
5538	82.68	3	102 45 40.51	— 12.221	— 0.378				39676	711			5538
5539	81.60	3	92 55 49.18	— 12.277	— 0.355	— 0.003	2649	212	39727	737		3431	5539
5540	83.95	4	105 31 40.64	— 12.289	— 0.383	+ 0.036	2646	209	39723				5540
5541	90.56	16	114 36 41.17	— 12.316	— 0.404				39725		10995		5541
5542	82.44	3	107 30 16.34	— 12.317	— 0.387			213	39732				5542
5543	85.14	4	90 17 5.00	— 12.323	— 0.349				39760	754			5543
5544	84.69	3	101 24 55.23	— 12.340	— 0.372				39756	755			5544
5545	86.68	3	111 22 35.37	— 12.348	— 0.395			215	39744				5545
5546	85.36	3	94 45 55.16	— 12.370	— 0.357			221	39786	772			5546
5547	86.67	5	75 47 13.81	— 12.372	— 0.317	+ 0.031	2656	227	39810	785		3432	5547
5548	89.35	3	94 53 46.57	— 12.385	— 0.357				39798	780			5548
5549	84.35	3	91 29 19.69	— 12.390	— 0.350	+ 0.001	2654	224	39803	783	11002	3434	5549
5550	91.68	3	109 39 52.35	— 12.411	— 0.390				39793				5550
5551	82.81	11	15 25 21.46	— 12.411	+ 0.089	+ 0.021	2682	279				3439	5551
5552	86.68	4	98 47 4.93	— 12.416	— 0.365				39809	792			5552
5553	83.59	7	105 20 23.21	— 12.423	— 0.379	+ 0.012	2652	225	39806	790		3436	5553
5554	82.96	3	95 18 56.55	— 12.435	— 0.357				39827	799			5554
5555	83.75	3	92 47 57.99	— 12.449	— 0.352	+ 0.008	2659	234	39836	807		3438	5555
5556	84.64	3	114 10 31.74	— 12.459	— 0.399	— 0.404			39816		11011		5556
5557	86.69	3	89 53 59.28	— 12.468	— 0.345	+ 0.020	2661	237	39850				5557
5558	84.72	3	108 31 30.76	— 12.468	— 0.386	— 0.013	2657	233	39833			3440	5558
5559	87.29	3	114 29 49.28	— 12.473	— 0.400	+ 0.330			39824		11012		5559
5560	83.18	4	42 26 26.04	— 12.505	— 0.215				39949				5560
5561	81.68	3	106 30 53.99	— 12.508	— 0.380			240	39853				5561
5562	85.38	3	93 2 27.41	— 12.516	— 0.351			246	39876	833			5562
5563	89.69	3	74 28 32.28	— 12.520	— 0.312	+ 0.002	2670	254	39907	845	11020	3446	5563
5564	88.38	3	104 54 4.10	— 12.543	— 0.376								5564
5565	91.81	3	97 11 9.22	— 12.545	— 0.359					841			5565
5566	85.67	3	103 53 23.82	— 12.559	— 0.373				39892	844			5566
5567	91.77	3	100 1 59.66	— 12.562	— 0.365				39906	849			5567
5568	86.04	3	96 23 19.28	— 12.590	— 0.357				39924	861			5568
5569	91.78	3	102 43 45.72	— 12.597	— 0.370				39920	859			5569
5570	84.00	3	101 20 10.42	— 12.603	— 0.367			259	39925	864			5570
5571	88.38	3	99 9 53.81	— 12.617	— 0.362					870			5571
5572	89.73	3	108 30 9.38	— 12.647	— 0.382				39939				5572
5573	84.02	3	101 21 44.27	— 12.665	— 0.366			262	39959				5573
5574	85.05	6	92 43 11.47	— 12.670	— 0.348				39965	888			5574
5575	85.40	3	92 45 25.13	— 12.682	— 0.347				39971	893			5575
5576	91.78	4	112 50 52.30	— 12.689	— 0.391						11037		5576
5577	89.64	3	102 2 9.03	— 12.725	— 0.366					908			5577
5578	82.80	14	45 6 44.91	— 12.734	— 0.225	— 0.003	2679	285	40049		11042	3453	5578
5579	85.74	3	96 20 58.01	— 12.760	— 0.353				40013				5579
5580	86.66	3	104 34 56.16	— 12.785	— 0.370				40019				5580

5547, 5551, 5558, 5559, 5578, are respectively 4879, 4904, 4886, 4884, 4918 of the Radcliffe Catalogue, 1845.
 5540, 5547, 5553, 5557, 5558, 5563, 5578, are respectively 1996, 1999, 2001, 2003, 2002, 2006, 2015 of the Radcliffe Catalogue, 1860.
 5556. The Proper Motions have been taken from Bonn Obs., Vol. VII.
 5559. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
5581	Aquarii	7	2	89°07	3	20 38 26.391	+ 3.1502	— 0.0061		5581
5582	Capricorni	8	1	91°79	3	20 38 28.050	+ 3.4738	— 0.0141		5582
5583	Capricorni	7-8	7	86°16	6	20 39 4.160	+ 3.3710	— 0.0112		5583
5584	Capricorni	9-8	3	88°64	3	20 39 6.472	+ 3.3707	— 0.0112		5584
5585	16 Capricorni ψ	4-5*	...	80°64	3	20 39 34.799	+ 3.5654	— 0.0169	— 0.0061	5585
5586	Aquarii	9-8	3	91°42	3	20 39 42.468	+ 3.2194	— 0.0076		5586
5587	17 Capricorni	6-7	4	90°08	13	20 39 47.279	+ 3.4848	— 0.0145	— 0.0007	5587
5588	Capricorni	8-7	2	89°39	3	20 40 20.173	+ 3.4415	— 0.0133		5588
5589	Aquarii	7-8	...	89°70	3	20 40 22.036	+ 3.0857	— 0.0048		5589
5590	Aquarii	7-6	2	86°05	5	20 41 20.348	+ 3.1239	— 0.0055		5590
5591	Delphini	6-5	1	89°71	3	20 41 32.579	+ 2.7857	0.0000	— 0.0033	5591
5592	12 Delphini γ	5	1	89°71	3	20 41 33.209	+ 2.7857	0.0000	— 0.0034	5592
5593	2 Aquarii ϵ	4-3	7	85°61	48	20 41 43.231	+ 3.2501	— 0.0084	— 0.0002	5593
5594	3 Aquarii	5-4	3	84°01	3	20 41 55.893	+ 3.1691	— 0.0066	— 0.0024	5594
5595	Capricorni	7	4	86°01	3	20 41 56.129	+ 3.4359	— 0.0132		5595
5596	Capricorni	7-8	2	86°71	3	20 42 1.912	+ 3.3818	— 0.0118		5596
5597	Aquarii	7	4	84°07	3	20 42 28.260	+ 3.1621	— 0.0065		5597
5598	3 Cephei η	4-3*	...	89°03	3	20 43 3.017	+ 1.2145	— 0.0113	+ 0.0127	5598
5599	Capricorni	6-7	3	81°70	3	20 43 6.130	+ 3.4101	— 0.0126		5599
5600	Aquarii	7	2	82°68	3	20 43 9.879	+ 3.3065	— 0.0099		5600
5601	Aquarii	8	3	91°69	3	20 43 24.169	+ 3.2849	— 0.0093		5601
5602	Aquarii	7-6	3	85°77	3	20 43 37.833	+ 3.0896	— 0.0048		5602
5603	Aquarii	7-8	2	91°42	3	20 43 57.255	+ 3.1983	— 0.0072		5603
5604	Aquarii T	Var.	7	85°72	5	20 44 8.088	+ 3.1706	— 0.0067		5604
5605	Aquarii	7-8	2	88°69	3	20 44 10.835	+ 3.0854	— 0.0048		5605
5606	Aquarii	10-9	8	85°68	4	20 44 32.055	+ 3.1699	— 0.0067		5606
5607	Capricorni	7-8	1	86°67	3	20 44 32.709	+ 3.4736	— 0.0147		5607
5608	Aquarii	6-7	3	82°67	4	20 44 37.878	+ 3.3040	— 0.0099	+ 0.0094	5608
5609	18 Capricorni ω	4-5*	...	82°97	3	20 45 15.216	+ 3.5915	— 0.0184	— 0.0027	5609
5610	4 Aquarii	7-6	1	83°47	3	20 45 35.817	+ 3.1786	— 0.0069	+ 0.0043	5610
5611	Capricorni	7	3	81°64	3	20 45 58.641	+ 3.4380	— 0.0137		5611
5612	Aquarii	7	2	84°70	3	20 45 59.560	+ 3.2824	— 0.0093		5612
5613	Cygni	6-7	3	81°55	3	20 46 11.489	+ 2.0273	+ 0.0025		5613
5614	5 Aquarii	6-5	2	84°05	3	20 46 19.592	+ 3.1762	— 0.0068	— 0.0013	5614
5615	Aquarii	7-8	1	85°07	3	20 46 26.739	+ 3.3146	— 0.0102		5615
5616	Capricorni	7-6	2	89°62	5	20 46 33.996	+ 3.5214	— 0.0163		5616
5617	Aquarii	8-9	1	91°75	3	20 46 36.968	+ 3.1359	— 0.0059		5617
5618	6 Aquarii μ	5	5	88°25	36	20 46 43.204	+ 3.2377	— 0.0083	+ 0.0008	5618
5619	Aquarii	6-7	4	86°28	5	20 47 4.480	+ 3.2842	— 0.0094		5619
5620	Capricorni	7	3	86°67	3	20 47 15.949	+ 3.4259	— 0.0135		5620
5621	Aquarii	7	2	85°07	3	20 48 4.005	+ 3.2717	— 0.0092		5621
5622	Aquarii	7-6	2	84°07	3	20 48 6.598	+ 3.1998	— 0.0075		5622
5623	Aquarii	7-6	2	81°60	3	20 48 17.414	+ 3.1586	— 0.0065		5623
5624	Capricorni	8	1	91°76	3	20 48 23.673	+ 3.4606	— 0.0146		5624
5625	Capricorni	7	2	86°72	3	20 48 31.027	+ 3.4180	— 0.0133		5625

5586. A star of the 8-9 magnitude, Weisse's Bessel 958, precedes, and is north.
 5604. Reddish star. The limits of magnitude are 6.7 and 13.0: the period is 203 days. Estimated magnitudes were 10-9, 10, 10-9, 9, 9-10, 7-8, and 9-8 on 1885 Sept. 4, 5, 9, 18, Oct. 3, 16, and Nov. 16 respectively.
 5606. The magnitudes assigned to this star by Lalande, Bessel, Argelander, Schönfeld and Gould are 8, 9, 8.7, 8.3 and 8½ respectively.
 5614. The R. A. of this star in Weisse's Bessel is 3° too great.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
5581	89°07	3	94 18 42.77	— 12.785	— 0.348				40026	938			5581
5582	91°79	3	111 17 21.85	— 12.787	— 0.385								5582
5583	86°16	6	106 11 47.60	— 12.827	— 0.372								5583
5584	88°64	3	106 11 2.47	— 12.829	— 0.372								5584
5585	80°64	3	115 39 58.81	— 12.862	— 0.393	+ 0.154	2676	282	40039		11053		5585
5586	91°42	3	98 9 24.05	— 12.870	— 0.355				40065	961			5586
5587	90°91	19	111 54 47.79	— 12.875	— 0.384	+ 0.015	2677	284				3459	5587
5588	89°39	3	109 50 19.88	— 12.912	— 0.378				40073				5588
5589	89°70	3	90 44 25.72	— 12.914	— 0.339				40088	991			5589
5590	86°05	5	92 53 18.49	— 12.978	— 0.342					1004			5590
5591	89°71	3	74 16 17.89	— 12.993	— 0.304	+ 0.197	2685	303	40133				5591
5592	86°27	7	74 16 16.98	— 12.993	— 0.304	+ 0.196	2686	304	40136				5592
5593	83°45	13	99 53 52.00	— 13.004	— 0.355	+ 0.027	2681	299	40117	1014	11066	3464	5593
5594	84°01	3	95 25 46.87	— 13.019	— 0.346	+ 0.027	2684	301	40130	1020		3467	5594
5595	86°01	3	109 39 49.98	— 13.019	— 0.376				40115				5595
5596	86°71	3	106 55 25.16	— 13.025	— 0.369								5596
5597	84°07	3	95 2 36.54	— 13.054	— 0.345					1039			5597
5598	82°94	11	28 35 17.40	— 13.092	— 0.129	— 0.810	2698	338				3478	5598
5599	81°70	3	108 26 26.91	— 13.096	— 0.371			310	40155			3477	5599
5600	82°68	3	103 0 58.60	— 13.101	— 0.360			311	40159				5600
5601	91°69	3	101 51 42.67	— 13.116	— 0.357				40168	1063			5601
5602	85°77	3	90 58 9.59	— 13.132	— 0.335				40182	1069			5602
5603	91°42	3	97 6 18.17	— 13.153	— 0.346				40184	1075			5603
5604	85°72	5	95 33 16.41	— 13.165	— 0.343				40196				5604
5605	88°69	3	90 43 55.45	— 13.168	— 0.334				40202	1085			5605
5606	85°68	5	95 31 31.21	— 13.191	— 0.343				40214	1093			5606
5607	86°67	3	111 43 8.78	— 13.192	— 0.376				40191				5607
5608	82°67	4	102 57 6.29	— 13.198	— 0.357	+ 0.057		325	40209	1091		3482	5608
5609	82°97	3	117 19 49.79	— 13.238	— 0.388	— 0.003	2690	328	40219		11093	3483	5609
5610	83°55	4	96 2 14.21	— 13.261	— 0.342	— 0.002	2694	336		1119			5610
5611	81°64	4	110 3 19.44	— 13.286	— 0.370				40257				5611
5612	84°70	3	101 51 2.29	— 13.287	— 0.353			337	40262	1123			5612
5613	81°61	3	43 44 54.62	— 13.300	— 0.216				40340				5613
5614	84°05	3	95 55 8.58	— 13.309	— 0.341	+ 0.008	2695	342		1134			5614
5615	85°07	3	103 36 57.43	— 13.317	— 0.356			341	40285	1133			5615
5616	89°62	5	114 11 41.25	— 13.324	— 0.378			339	40274		11102		5616
5617	91°75	3	93 37 56.35	— 13.328	— 0.336			346	40303				5617
5618	85°29	5	99 23 43.87	— 13.335	— 0.347	+ 0.031	2696	345		1146	11107	3485	5618
5619	86°28	5	101 59 19.94	— 13.357	— 0.352			351	40313	1154		3487	5619
5620	86°67	3	109 31 42.57	— 13.370	— 0.367				40311				5620
5621	85°07	3	101 20 22.85	— 13.422	— 0.349					1179			5621
5622	84°07	3	97 18 16.14	— 13.425	— 0.341			360	40345				5622
5623	81°60	3	94 57 30.17	— 13.437	— 0.336			364	40354	1187			5623
5624	91°76	3	111 21 57.34	— 13.444	— 0.369				40341				5624
5625	86°72	3	109 12 37.50	— 13.452	— 0.364				40348				5625

5585, 5593, 5598, 5613, 5618, are respectively 4922, 4935, 4959, 4981, 4977 of the Radcliffe Catalogue, 1845.
 5585, 5591, 5592, 5593, 5598, 5609, are respectively 2018, 2026, 2027, 2025, 2030, 2032 of the Radcliffe Catalogue, 1860.
 5608. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R. A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
5626	19 Capricorni	6	1	86.48	4	20	48	34.790	+ 3.4011	- 0.0128	- 0.0058	5626
5627	Capricorni	8-7	2	89.36	3	20	48	48.219	+ 3.3509	- 0.0114		5627
5628	Aquarii	7	1	85.30	3	20	48	50.707	+ 3.2346	- 0.0083		5628
5629	Aquarii	8-7	5	86.38	3	20	49	12.943	+ 3.1035	- 0.0052		5629
5630	57 Cygni	5	2	83.14	4	20	49	21.357	+ 2.1192	+ 0.0032	+ 0.0017	5630
5631	Aquarii	7-6	4	85.41	3	20	49	27.080	+ 3.1034	- 0.0052		5631
5632	Capricorni	7	1	83.71	3	20	49	35.621	+ 3.3844	- 0.0124		5632
5633	32 Vulpeculæ	5	1	86.00	11	20	49	52.323	+ 2.5561	+ 0.0027	- 0.0016	5633
5634	Capricorni	7-8	...	89.36	3	20	49	57.496	+ 3.3864	- 0.0125		5634
5635	Cygni	8-7	2	89.41	3	20	49	59.789	+ 2.1217	+ 0.0032	+ 0.0016	5635
5636	Capricorni	8-7	4	92.16	7	20	50	30.865	+ 3.4785	- 0.0154		5636
5637	76 Draconis	6	1	82.91	6	20	50	31.352	- 4.0370	- 0.5321	+ 0.0141	5637
5638	Aquarii	7-6	2	85.06	3	20	50	32.827	+ 3.1410	- 0.0061		5638
5639	7 Aquarii	6	1	84.73	3	20	50	57.180	+ 3.2477	- 0.0087	- 0.0022	5639
5640	Capricorni	6	2	81.64	3	20	51	31.095	+ 3.3618	- 0.0118		5640
5641	Aquarii	6	1	85.34	3	20	51	32.727	+ 3.0718	- 0.0046	- 0.0030	5641
5642	Aquarii	8-7	3	91.71	3	20	51	47.182	+ 3.2124	- 0.0078		5642
5643	Aquarii	7-8	4	90.65	6	20	52	1.014	+ 3.2871	- 0.0098		5643
5644	Aquarii	8-7	3	86.00	3	20	52	30.845	+ 3.3119	- 0.0105	+ 0.0020	5644
5645	Capricorni	6	3	83.96	4	20	52	36.229	+ 3.3322	- 0.0110		5645
5646	Aquarii	7	3	86.52	5	20	52	59.635	+ 3.1452	- 0.0063		5646
5647	58 Cygni <i>v</i>	4*	...	89.71	4	20	53	4.348	+ 2.2339	+ 0.0037	0.0000	5647
5648	Aquarii	8-7	2	88.32	3	20	53	4.852	+ 3.1362	- 0.0060		5648
5649	Capricorni	8	2	91.47	3	20	53	6.221	+ 3.4436	- 0.0144		5649
5650	20 Capricorni	6-7	2	84.07	3	20	53	21.024	+ 3.4161	- 0.0137	0.0000	5650
5651	8 Aquarii	7-6	2	83.05	5	20	53	52.051	+ 3.3051	- 0.0104	- 0.0039	5651
5652	Aquarii	7-8	3	86.72	3	20	54	10.372	+ 3.2618	- 0.0092		5652
5653	21 Capricorni	6-7	...	84.77	4	20	54	40.214	+ 3.3860	- 0.0129	- 0.0041	5653
5654	10 Aquarii	7-6	2	86.70	3	20	54	43.830	+ 3.1725	- 0.0070	+ 0.0046	5654
5655	11 Aquarii	6	3	85.68	3	20	54	46.269	+ 3.1597	- 0.0066	+ 0.0021	5655
5656	Capricorni	8	...	91.74	3	20	55	1.751	+ 3.4925	- 0.0162		5656
5657	9 Aquarii	7-6	1	85.35	3	20	55	4.519	+ 3.3125	- 0.0106	- 0.0029	5657
5658	Aquarii	7	3	84.09	3	20	55	59.760	+ 3.2791	- 0.0098		5658
5659	59 Cygni <i>f</i> ¹	5-6	1	85.21	5	20	56	5.024	+ 2.0383	+ 0.0031	+ 0.0009	5659
5660	Aquarii	7-8	1	88.39	3	20	56	24.305	+ 3.2920	- 0.0101		5660
5661	Capricorni	8-7	2	91.77	3	20	56	27.058	+ 3.3460	- 0.0117		5661
5662	Capricorni	7	2	87.35	3	20	56	30.024	+ 3.4157	- 0.0139		5662
5663	Aquarii	7-6	5	85.72	3	20	56	38.380	+ 3.2490	- 0.0090		5663
5664	Aquarii	8-7	2	91.08	3	20	57	5.026	+ 3.2029	- 0.0078		5664
5665	Aquarii	6-7	3	81.71	3	20	57	19.481	+ 3.0950	- 0.0051		5665
5666	Aquarii	7	2	86.65	3	20	57	26.521	+ 3.1016	- 0.0052		5666
5667	Aquarii	8	1	87.97	3	20	57	37.133	+ 3.1697	- 0.0070		5667
5668	Aquarii	7-6	2	84.41	3	20	57	47.977	+ 3.1061	- 0.0053		5668
5669	22 Capricorni <i>η</i>	5-4	1	89.74	8	20	58	8.568	+ 3.4248	- 0.0143	- 0.0050	5669
5670	Aquarii	8-9	1	91.75	3	20	58	9.303	+ 3.1406	- 0.0062		5670

5641. A star of the 8 magnitude, Arg. Z. - 0°, 4130, precedes about 18^s, and is north.
 5663. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
5626	86.48	4	108 20 22.53	— 13.456	— 0.362	+ 0.003	2700	362	40353			3490	5626
5627	89.36	3	105 42 0.72	— 13.470	— 0.356			367	40363				5627
5628	85.30	3	99 17 58.57	— 13.473	— 0.344				40371	1200			5628
5629	86.38	3	91 47 36.06	— 13.497	— 0.329				40394	1206			5629
5630	83.47	8	46 1 44.76	— 13.506	— 0.223	+ 0.014	2710	383					5630
5631	85.41	3	91 47 32.16	— 13.512	— 0.329				40405	1211			5631
5632	83.71	3	107 31 52.10	— 13.522	— 0.359				40391				5632
5633	81.95	8	62 21 36.83	— 13.539	— 0.269	+ 0.002	2709	379	40456		11131	3494	5633
5634	89.36	3	107 39 47.96	— 13.545	— 0.358				40410				5634
5635	87.12	5	46 1 52.23	— 13.548	— 0.222	— 0.020	2712						5635
5636	92.16	7	112 25 37.31	— 13.581	— 0.367								5636
5637	82.89	5	7 52 35.55	— 13.581	+ 0.439	— 0.008	2754	463				3500	5637
5638	85.06	3	93 58 56.30	— 13.583	— 0.331				40450	1240			5638
5639	84.73	3	100 7 8.02	— 13.609	— 0.342	+ 0.007	2706	380	40458	1249			5639
5640	81.64	3	106 27 15.46	— 13.645	— 0.353			386	40476			3499	5640
5641	85.34	3	89 57 23.84	— 13.647	— 0.322	+ 0.100			40496	1269			5641
5642	91.71	3	98 8 11.97	— 13.662	— 0.337				40497				5642
5643	90.65	6	102 22 41.51	— 13.677	— 0.345				40499	1278			5643
5644	86.00	3	103 47 19.39	— 13.709	— 0.347	+ 0.150			40521	1291			5644
5645	83.96	4	104 54 26.98	— 13.715	— 0.349				40522	1293		3502	5645
5646	86.52	5	94 16 1.28	— 13.740	— 0.328			396	40551	1307			5646
5647	84.80	8	49 15 22.07	— 13.744	— 0.231	— 0.001	2724	410	40619				5647
5648	88.32	3	93 44 32.65	— 13.745	— 0.327			397	40557	1309			5648
5649	91.47	3	110 52 12.29	— 13.746	— 0.360				40536				5649
5650	84.07	3	109 27 39.98	— 13.762	— 0.357	+ 0.010	2713	395	40548			3505	5650
5651	83.05	5	103 28 43.19	— 13.795	— 0.344	+ 0.001	2715	402	40571			3510	5651
5652	86.72	3	101 3 21.71	— 13.815	— 0.339				40592	1342			5652
5653	84.77	4	107 57 33.28	— 13.846	— 0.351	— 0.012	2718	409	40613			3512	5653
5654	86.70	3	95 54 20.02	— 13.850	— 0.329	+ 0.003	2721	413	40633	1355			5654
5655	85.68	3	95 9 17.53	— 13.852	— 0.327	+ 0.140	2723	414	40637	1356			5655
5656	91.74	3	113 30 29.26	— 13.869	— 0.362				40622				5656
5657	85.35	3	103 57 35.32	— 13.871	— 0.343	+ 0.006	2722	415	40642	1359		3513	5657
5658	84.09	3	102 7 35.61	— 13.930	— 0.338			423	40672	1381			5658
5659	83.21	8	42 54 29.36	— 13.935	— 0.208	+ 0.009	2732	437				3520	5659
5660	88.39	3	102 52 41.56	— 13.955	— 0.339				40688	1394			5660
5661	91.77	3	105 54 16.89	— 13.958	— 0.344				40687				5661
5662	87.35	3	109 40 51.16	— 13.961	— 0.352				40684				5662
5663	85.72	3	100 25 42.29	— 13.970	— 0.334				40707				5663
5664	91.08	3	97 45 18.80	— 13.998	— 0.328				40729	1411			5664
5665	81.71	3	91 21 28.86	— 14.013	— 0.317			432	40742	1417			5665
5666	86.65	3	91 44 29.58	— 14.021	— 0.317				40746	1421			5666
5667	87.97	3	95 48 30.08	— 14.031	— 0.324				40748	1425			5667
5668	84.01	4	92 0 49.31	— 14.043	— 0.317				40759	1433			5668
5669	90.04	9	110 17 21.98	— 14.065	— 0.350	+ 0.037	2729	436	40753		11187		5669
5670	91.75	3	94 5 20.06	— 14.065	— 0.320				40786	1440			5670

5630, 5635, 5637, 5647, 5659, 5669, are respectively 5003, 5011, 5054, 5035, 5067, 5073 of the Radcliffe Catalogue, 1845.
 5633, 5654, 5655, 5669, are respectively 2037, 2044, 2045, 2050 of the Radcliffe Catalogue, 1860.
 5641, 5644. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
5671	12 Aquarii	6	3	85°04	3	20 58 15.586	+ 3.1769	- 0.0072	- 0.0003	5671
5672	Capricorni	7-8	2	81°57	3	20 58 40.894	+ 3.3739	- 0.0128		5672
5673	Capricorni	8-7	3	89°30	3	20 59 32.437	+ 3.3324	- 0.0115		5673
5674	Aquarii	7	2	89°36	3	20 59 45.720	+ 3.1520	- 0.0065		5674
5675	23 Capricorni θ	4-3	5	85°43	38	20 59 45.737	+ 3.3739	- 0.0128	+ 0.0040	5675
5676	Capricorni	7	1	86°99	3	21 0 25.579	+ 3.4275	- 0.0146	- 0.0024	5676
5677	Cygni	9-8	...	90°17	3	21 0 38.243	+ 2.3276	+ 0.0043		5677
5678	Capricorni	7-8	3	89°36	3	21 0 40.433	+ 3.4841	- 0.0165		5678
5679	Aquarii	7	1	89°43	3	21 0 54.653	+ 3.0815	- 0.0048		5679
5680	62 Cygni ξ	4*	...	85°74	4	21 0 55.781	+ 2.1794	+ 0.0043	+ 0.0006	5680
5681	Aquarii	7-8	2	86°23	4	21 1 3.592	+ 3.3134	- 0.0110	+ 0.0210	5681
5682	Capricorni	8-7	4	86°05	3	21 1 5.184	+ 3.3455	- 0.0119	- 0.0120	5682
5683	Capricorni	6-7	2	85°37	3	21 1 15.667	+ 3.4059	- 0.0139		5683
5684	Aquarii	7-6	1	87°40	3	21 1 33.121	+ 3.2158	- 0.0083		5684
5685	Capricorni	7-6	2	86°71	3	21 1 33.828	+ 3.3757	- 0.0130		5685
5686	Aquarii	7-6	2	84°09	3	21 1 41.994	+ 3.0923	- 0.0050		5686
5687	Aquarii	7	2	86°67	3	21 1 54.034	+ 3.0824	- 0.0048		5687
5688	Cygni	9-10	2	91°45	3	21 1 56.495	+ 2.3430	+ 0.0044		5688
5689	Aquarii	7	2	87°94	3	21 1 59.706	+ 3.1133	- 0.0055		5689
5690	Cygni	9-10	1	90°46	3	21 2 8.400	+ 2.3284	+ 0.0044		5690
5691	Aquarii	8	3	91°70	3	21 2 13.630	+ 3.2942	- 0.0105		5691
5692	25 Capricorni χ	6-5	3	86°69	3	21 2 15.419	+ 3.4437	- 0.0153	- 0.0004	5692
5693	Aquarii	7	2	84°24	4	21 2 28.603	+ 3.0959	- 0.0051		5693
5694	Cygni	8-7	1	91°83	3	21 2 49.338	+ 2.3464	+ 0.0045		5694
5695	Aquarii	8	2	91°39	3	21 2 53.778	+ 3.1942	- 0.0077		5695
5696	Cygni	6-7	2	84°28	3	21 2 57.768	+ 2.1319	+ 0.0042		5696
5697	26 Capricorni	6-7	2	85°71	3	21 2 59.297	+ 3.4239	- 0.0147	- 0.0004	5697
5698	Aquarii	7	4	83°78	3	21 3 9.422	+ 3.1709	- 0.0071		5698
5699	27 Capricorni	7-6	5	91°23	8	21 3 15.586	+ 3.4301	- 0.0150	+ 0.0070	5699
5700	Capricorni	7	1	89°70	3	21 3 16.173	+ 3.3585	- 0.0125		5700
5701	13 Aquarii ν	5	3	81°61	3	21 3 36.038	+ 3.2671	- 0.0098	+ 0.0043	5701
5702	Aquarii	7-6	2	85°06	3	21 3 36.548	+ 3.0835	- 0.0049		5702
5703	Cygni	8	...	90°47	3	21 3 48.032	+ 2.3441	+ 0.0045		5703
5704	Capricorni	7-8	2	87°37	3	21 4 10.125	+ 3.4650	- 0.0163		5704
5705	Capricorni	8-9	1	91°74	3	21 4 20.526	+ 3.3878	- 0.0136		5705
5706	Aquarii	7-6	2	82°39	3	21 4 50.913	+ 3.2323	- 0.0088		5706
5707	Aquarii	7-6	3	81°63	3	21 5 36.693	+ 3.3182	- 0.0114		5707
5708	Aquarii	8-9	2	91°74	3	21 5 51.853	+ 3.1006	- 0.0053		5708
5709	Aquarii	8-7	3	89°35	3	21 5 52.321	+ 3.1299	- 0.0060		5709
5710	Aquarii	8	3	86°69	3	21 6 9.695	+ 3.1759	- 0.0073		5710
5711	Aquarii	7-8	2	89°74	5	21 6 9.839	+ 3.1734	- 0.0073		5711
5712	Capricorni	8-9	3	89°00	3	21 6 16.615	+ 3.3265	- 0.0117		5712
5713	Capricorni	7	...	92°64	8	21 6 54.033	+ 3.5057	- 0.0179		5713
5714	Aquarii	8	2	91°74	3	21 7 27.786	+ 3.1480	- 0.0065		5714
5715	77 Draconis	5	1	82°75	7	21 7 41.240	- 1.1083	- 0.1748	+ 0.0068	5715

5671. Double: the companion, of the 9 magnitude, precedes $\alpha^s.1$, and is south.
5678. A star of the 8-7 magnitude, Lalande 40831, precedes, and is about 4' south.
5706. The N.P.D. of this star in Weisse's Bessel is about 15" too small.
5712. Double: the companion, of the 9-8 magnitude, precedes, and is north.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
5671	85°04	3	96 15 28.74	— 14.072	— 0.324	— 0.003	2730	441		1442			5671
5672	81°57	3	107 35 58.47	— 14.098	— 0.344			443	40774			3522	5672
5673	89°30	3	105 20 34.47	— 14.151	— 0.338				40803	1465			5673
5674	89°36	3	94 47 58.99	— 14.165	— 0.319				40823	1475			5674
5675	82°31	13	107 40 9.55	— 14.165	— 0.342	+ 0.054	2733	451	40814		11204	3525	5675
5676	86°99	3	110 37 10.16	— 14.207	— 0.347	+ 0.040	2736	454	40835				5676
5677	90°17	3	51 41 8.87	— 14.219	— 0.233								5677
5678	89°36	3	113 35 24.95	— 14.221	— 0.352				40842		11213		5678
5679	89°43	3	90 32 43.32	— 14.236	— 0.310				40869	1503			5679
5680	80°84	10	46 30 39.41	— 14.237	— 0.218	+ 0.008	2746	472	40928			3529	5680
5681	86°23	4	104 21 44.89	— 14.246	— 0.334	+ 0.040			40865	1499			5681
5682	86°05	3	106 11 1.54	— 14.247	— 0.337	+ 0.170		461	40866				5682
5683	85°37	3	109 31 40.42	— 14.258	— 0.343			462					5683
5684	87°40	3	98 40 33.69	— 14.275	— 0.323				40892				5684
5685	86°71	3	107 53 46.88	— 14.276	— 0.340								5685
5686	84°09	3	91 12 26.61	— 14.284	— 0.310				40907	1526			5686
5687	86°67	3	90 36 19.24	— 14.297	— 0.309				40917	1532			5687
5688	91°45	3	52 6 16.67	— 14.299	— 0.233								5688
5689	87°94	3	92 29 40.70	— 14.303	— 0.312								5689
5690	90°46	3	51 31 54.31	— 14.311	— 0.232								5690
5691	91°70	3	103 19 25.21	— 14.317	— 0.330				40918				5691
5692	86°69	3	111 38 5.86	— 14.318	— 0.345	+ 0.053	2741	469	40909			3533	5692
5693	84°24	4	91 25 58.62	— 14.332	— 0.310					1547			5693
5694	91°83	3	52 7 37.59	— 14.353	— 0.233				41002				5694
5695	91°39	3	97 25 50.83	— 14.358	— 0.319				40950	1557			5695
5696	84°93	3	44 45 58.38	— 14.362	— 0.211				41017				5696
5697	85°71	3	110 38 15.41	— 14.363	— 0.342	+ 0.001	2742	474	40936				5697
5698	83°78	3	96 1 28.78	— 14.373	— 0.316				40966	1562			5698
5699	91°36	9	110 59 51.40	— 14.380	— 0.342	+ 0.131	2743	478	40948				5699
5700	89°70	3	107 3 40.45	— 14.380	— 0.335			481					5700
5701	81°61	3	101 48 58.68	— 14.401	— 0.325	+ 0.007	2747	485	40974	2	11238	3535	5701
5702	85°06	3	90 40 47.45	— 14.402	— 0.307				40989	8			5702
5703	90°47	3	51 54 53.98	— 14.413	— 0.232				41030				5703
5704	87°37	3	112 55 29.63	— 14.435	— 0.345				40986		11240		5704
5705	91°74	3	108 46 39.44	— 14.446	— 0.337								5705
5706	82°39	3	99 47 58.08	— 14.476	— 0.320			493	40991	27			5706
5707	81°63	3	104 55 17.42	— 14.523	— 0.328			7	41049	42			5707
5708	91°74	3	91 45 0.09	— 14.538	— 0.305				41080				5708
5709	89°35	3	93 34 8.73	— 14.538	— 0.308				41077	57			5709
5710	86°69	3	96 24 47.61	— 14.556	— 0.312				41093				5710
5711	89°74	5	96 15 48.67	— 14.556	— 0.312				41095	65			5711
5712	89°00	3	105 26 57.95	— 14.563	— 0.327						11258		5712
5713	92°66	11	115 17 50.58	— 14.600	— 0.344								5713
5714	91°74	3	94 43 8.66	— 14.634	— 0.308				41140	89			5714
5715	83°00	7	12 19 12.06	— 14.647	+ 0.117	— 0.023	2777	72	41402			3541	5715

5675, 5678, 5680, 5701, 5703, 5704, 5715, are respectively 5087, 5092, 5102, 5112, 5118, 5117, 5154 of the Radcliffe Catalogue, 1845.
 5675, 5676, 5692, 5699, 5701, 5703, are respectively 2052, 2055, 2057, 2061, 2062, 2063 of the Radcliffe Catalogue, 1860.
 5681, 5682. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
5716	Aquarii	7	4	85.24	4	21	7	41.266	+ 3.1744	— 0.0073		5716
5717	Capricorni	7-8	2	86.98	3	21	7	42.482	+ 3.4538	— 0.0161		5717
5718	Capricorni	8-7	3	89.11	5	21	7	42.571	+ 3.4146	— 0.0148		5718
5719	Aquarii	7-8	3	85.71	3	21	7	47.341	+ 3.1832	— 0.0075		5719
5720	Aquarii	8-7	2	91.40	3	21	8	6.959	+ 3.2815	— 0.0103		5720
5721	64 Cygni ζ	3-4	1	85.80	15	21	8	15.277	+ 2.5515	+ 0.0039	— 0.0015	5721
5722	Aquarii	7	1	81.62	3	21	8	19.592	+ 3.2504	— 0.0094		5722
5723	Capricorni	8-7	4	89.22	4	21	8	42.233	+ 3.4127	— 0.0148		5723
5724	Aquarii	8-7	3	86.09	3	21	8	46.380	+ 3.1747	— 0.0073		5724
5725	Capricorni	6-7	2	82.41	3	21	8	57.261	+ 3.3639	— 0.0130		5725
5726	Aquarii	7-6	2	83.81	3	21	8	58.482	+ 3.0782	— 0.0047		5726
5727	Aquarii	7-8	3	90.06	3	21	9	1.023	+ 3.0929	— 0.0051		5727
5728	Capricorni	8-7	2	89.74	3	21	9	4.869	+ 3.3254	— 0.0118		5728
5729	Aquarii	7-8	4	85.38	3	21	9	5.025	+ 3.2131	— 0.0084		5729
5730	Aquarii	7	...	90.04	3	21	9	15.849	+ 3.1679	— 0.0071		5730
5731	Aquarii	7-8	2	86.75	3	21	9	20.876	+ 3.1204	— 0.0058		5731
5732	28 Capricorni φ	6-5	2	89.23	8	21	9	22.088	+ 3.4222	— 0.0151	— 0.0016	5732
5733	29 Capricorni	5-6	2	86.33	3	21	9	39.400	+ 3.3256	— 0.0119	+ 0.0002	5733
5734	Aquarii	7-8	2	87.19	4	21	9	54.472	+ 3.2250	— 0.0088		5734
5735	Aquarii	6-7	1	84.72	3	21	9	58.018	+ 3.2920	— 0.0108		5735
5736	8 Equulei α	4	2	86.64	12	21	10	19.499	+ 2.9969	— 0.0028	+ 0.0021	5736
5737	14 Aquarii	7-6	4	86.96	3	21	10	23.361	+ 3.2262	— 0.0088	— 0.0024	5737
5738	Aquarii	7-8	3	88.98	3	21	10	35.326	+ 3.2251	— 0.0088		5738
5739	Aquarii	6-7	1	84.71	3	21	10	58.144	+ 3.1049	— 0.0054		5739
5740	Aquarii	7	2	88.03	3	21	11	2.256	+ 3.2406	— 0.0093		5740
5741	Aquarii	7-6	2	88.72	3	21	11	12.095	+ 3.2920	— 0.0109		5741
5742	30 Capricorni	6-5	2	81.80	3	21	11	47.106	+ 3.3712	— 0.0135	— 0.0005	5742
5743	Aquarii	7-8	2	86.37	3	21	11	49.420	+ 3.1704	— 0.0072		5743
5744	31 Capricorni	7-8	2	89.05	3	21	12	6.260	+ 3.3617	— 0.0132	+ 0.0034	5744
5745	Capricorni	7	2	86.25	4	21	12	11.765	+ 3.4119	— 0.0151		5745
5746	15 Aquarii	6-7	2	83.75	3	21	12	24.737	+ 3.1503	— 0.0067	— 0.0002	5746
5747	Capricorni	7	3	86.71	4	21	13	8.269	+ 3.3384	— 0.0124		5747
5748	Aquarii	8	2	91.73	3	21	13	8.620	+ 3.1942	— 0.0080		5748
5749	Capricorni	9	1	91.76	3	21	13	10.521	+ 3.4729	— 0.0175		5749
5750	Aquarii	7	8	81.74	3	21	13	19.263	+ 3.2861	— 0.0107		5750
5751	Aquarii	7-8	4	85.05	3	21	13	45.838	+ 3.3015	— 0.0113		5751
5752	Aquarii	8-9	8	81.60	4	21	14	1.247	+ 3.2843	— 0.0107		5752
5753	Aquarii	7-8	3	85.12	3	21	14	7.468	+ 3.2927	— 0.0110		5753
5754	Capricorni	7-8	1	92.64	7	21	14	23.854	+ 3.4451	— 0.0165		5754
5755	Aquarii	8	2	91.78	3	21	14	37.661	+ 3.1029	— 0.0054		5755
5756	Aquarii	7-8	6	81.66	4	21	14	46.475	+ 3.2819	— 0.0107		5756
5757	Capricorni	7-8	1	89.35	3	21	14	48.012	+ 3.4162	— 0.0154		5757
5758	16 Aquarii	6	2	83.12	3	21	15	18.281	+ 3.1499	— 0.0067	— 0.0031	5758
5759	Aquarii	8	2	91.80	3	21	15	32.006	+ 3.2582	— 0.0099		5759
5760	Capricorni	8	3	92.09	3	21	15	33.499	+ 3.3786	— 0.0141		5760

5750, 5752. Lalande's magnitudes for these stars, 9 and 7 respectively, should probably be transposed, and Gould's estimate, 6.9, probably refers to the brighter star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
5716	85°41	3	96 21 51.75	— 14.647	— 0.310			24	41151	95			5716
5717	86°98	3	112 39 53.71	— 14.648	— 0.338			18	41129		11264		5717
5718	89°11	5	110 32 28.84	— 14.649	— 0.334			20	41133				5718
5719	85°71	3	96 55 5.77	— 14.653	— 0.311					99			5719
5720	91°40	3	102 55 13.07	— 14.673	— 0.320				41159	103			5720
5721	82°28	14	60 13 26.05	— 14.681	— 0.247	+ 0.066	2760	35	41215		11269	3540	5721
5722	81°62	3	101 3 32.15	— 14.686	— 0.317				41163				5722
5723	89°22	4	110 31 32.68	— 14.708	— 0.332				41177				5723
5724	86°09	3	96 25 4.63	— 14.711	— 0.308				41193	119			5724
5725	82°41	3	107 47 58.03	— 14.722	— 0.327				41191				5725
5726	83°81	3	90 21 43.57	— 14.724	— 0.299				41218	128			5726
5727	90°06	3	91 17 13.14	— 14.727	— 0.300				41212	131			5727
5728	89°74	3	105 34 51.99	— 14.731	— 0.323				41200				5728
5729	85°38	3	98 48 28.83	— 14.731	— 0.312				41207	126			5729
5730	90°04	3	96 0 22.87	— 14.741	— 0.307				41223	140			5730
5731	86°75	3	93 1 39.56	— 14.746	— 0.302				41233	144			5731
5732	90°13	11	111 6 27.85	— 14.747	— 0.332	— 0.004	2758	33	41187				5732
5733	86°33	3	105 37 41.42	— 14.764	— 0.322	— 0.010	2759	37	41232		11276	3544	5733
5734	87°19	4	99 34 38.55	— 14.779	— 0.312			39	41247	156			5734
5735	84°72	3	103 39 28.04	— 14.783	— 0.318				41246	155			5735
5736	87°22	4	85 12 23.79	— 14.803	— 0.288	+ 0.078	2764	47	41274	170	11283	3546	5736
5737	86°96	3	99 40 20.48	— 14.807	— 0.311	— 0.004	2763	44	41268	167		3547	5737
5738	88°98	3	99 36 56.94	— 14.819	— 0.311			45	41271	171			5738
5739	84°71	3	92 3 57.31	— 14.842	— 0.298				41293	187			5739
5740	88°03	3	100 35 35.64	— 14.846	— 0.311				41287	184			5740
5741	88°72	3	103 44 17.74	— 14.856	— 0.316				41291	188			5741
5742	81°80	3	108 26 42.15	— 14.889	— 0.323	+ 0.003	2765	52	41315				5742
5743	86°37	3	96 14 25.35	— 14.892	— 0.303				41328				5743
5744	89°05	3	107 55 23.54	— 14.908	— 0.322	— 0.023	2766	56	41331			3551	5744
5745	86°25	4	110 47 44.59	— 14.914	— 0.326			57	41332				5745
5746	83°75	3	94 58 51.69	— 14.927	— 0.300	— 0.022	2768	60					5746
5747	86°71	4	106 38 28.35	— 14.969	— 0.318			66	41361				5747
5748	91°73	3	97 47 31.39	— 14.969	— 0.304				41366				5748
5749	91°76	3	114 13 59.99	— 14.971	— 0.331				41354				5749
5750	81°74	3	103 30 38.47	— 14.979	— 0.312				41368	239			5750
5751	85°05	3	104 28 52.31	— 15.005	— 0.313					252			5751
5752	81°60	3	103 27 3.05	— 15.020	— 0.311				41393	258			5752
5753	85°12	3	103 58 0.73	— 15.026	— 0.312				41400				5753
5754	92°66	11	112 51 7.04	— 15.042	— 0.326				41404				5754
5755	91°78	3	91 58 12.46	— 15.055	— 0.292				41433	279			5755
5756	81°71	4	103 21 3.18	— 15.063	— 0.309				41423	276			5756
5757	89°35	3	111 17 5.20	— 15.065	— 0.322			75	41417				5757
5758	83°12	3	95 1 35.28	— 15.094	— 0.296	— 0.004	2771	81	41452	297		3557	5758
5759	91°80	3	101 55 25.06	— 15.107	— 0.306			82	41454	300			5759
5760	92°02	4	109 12 5.65	— 15.109	— 0.317				41449				5760

5721, 5733, are respectively 5140, 5145 of the Radcliffe Catalogue, 1845.
 5721 is 2068 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
5761	5 Cephei α	3-2*	...	81.69	4	21 15 57.262	+ 1.4143	- 0.0072	+ 0.0211	5761
5762	Aquarii	7-6	1	83.82	3	21 16 4.442	+ 3.2238	- 0.0089	- 0.0017	5762
5763	Aquarii	8-9	...	91.79	3	21 16 4.938	+ 3.1955	- 0.0081		5763
5764	32 Capricorni ι	5-4	8	87.75	29	21 16 7.230	+ 3.3455	- 0.0129	- 0.0003	5764
5765	Capricorni	6	...	88.02	3	21 16 42.053	+ 3.4460	- 0.0167		5765
5766	Aquarii	7-6	3	84.71	3	21 16 43.390	+ 3.1275	- 0.0060		5766
5767	Aquarii	7	3	86.66	3	21 16 49.128	+ 3.1659	- 0.0072		5767
5768	17 Aquarii	7-6	1	87.03	3	21 17 2.344	+ 3.2230	- 0.0089	- 0.0052	5768
5769	Aquarii	7-8	1	88.74	3	21 17 30.687	+ 3.0914	- 0.0050		5769
5770	Capricorni	7	2	87.99	3	21 17 50.009	+ 3.4453	- 0.0168		5770
5771	33 Capricorni	6-5	1	85.08	3	21 17 55.209	+ 3.4115	- 0.0155	- 0.0032	5771
5772	Capricorni	7	2	86.32	3	21 17 58.972	+ 3.4754	- 0.0180		5772
5773	18 Aquarii	6-5	2	84.51	4	21 18 10.739	+ 3.2783	- 0.0108	+ 0.0048	5773
5774	Aquarii	7-8	3	86.72	3	21 18 54.951	+ 3.1641	- 0.0072		5774
5775	Aquarii	8	3	91.47	3	21 19 3.765	+ 3.2040	- 0.0083		5775
5776	20 Aquarii	7	3	86.13	3	21 19 7.664	+ 3.1309	- 0.0061	- 0.0032	5776
5777	Cygni	7-6	3	84.17	3	21 19 14.280	+ 2.2380	+ 0.0059		5777
5778	19 Aquarii	6	1	85.03	3	21 19 18.334	+ 3.2279	- 0.0091	- 0.0021	5778
5779	Capricorni	7-6	3	81.66	3	21 19 22.475	+ 3.2995	- 0.0116		5779
5780	Capricorni	7	2	88.68	5	21 19 28.618	+ 3.4615	- 0.0176		5780
5781	21 Aquarii	6	3	83.50	3	21 19 32.739	+ 3.1332	- 0.0061	- 0.0037	5781
5782	Capricorni	7-8	1	89.35	3	21 20 7.381	+ 3.4103	- 0.0157		5782
5783	Aquarii	7-6	3	86.04	3	21 20 13.522	+ 3.0716	- 0.0045		5783
5784	34 Capricorni ζ	4	2	90.36	10	21 20 23.022	+ 3.4345	- 0.0166	- 0.0013	5784
5785	Capricorni	8	1	91.75	3	21 20 23.400	+ 3.3139	- 0.0121		5785
5786	Aquarii	7	2	87.33	3	21 20 26.471	+ 3.2636	- 0.0103	+ 0.0020	5786
5787	Capricorni	8-9	3	91.76	3	21 20 37.627	+ 3.3466	- 0.0132		5787
5788	35 Capricorni	6	1	81.69	3	21 21 0.489	+ 3.4121	- 0.0158	- 0.0036	5788
5789	Capricorni	7	3	84.74	3	21 21 22.163	+ 3.2862	- 0.0112		5789
5790	Aquarii	8-7	1	88.35	3	21 21 33.328	+ 3.1846	- 0.0078		5790
5791	Aquarii	7	3	86.65	3	21 21 40.668	+ 3.2558	- 0.0101		5791
5792	Aquarii	7-6	1	83.81	3	21 22 16.473	+ 3.2537	- 0.0101		5792
5793	36 Capricorni b	4-5	1	82.44	3	21 22 27.033	+ 3.4202	- 0.0162	+ 0.0077	5793
5794	Aquarii	7	1	89.68	3	21 22 38.446	+ 3.1223	- 0.0059		5794
5795	Aquarii	7-8	2	89.35	3	21 22 59.706	+ 3.2136	- 0.0087		5795
5796	Capricorni	7	3	84.12	3	21 23 38.674	+ 3.2906	- 0.0114		5796
5797	Capricorni	7-6	5	86.35	3	21 23 49.047	+ 3.3728	- 0.0145		5797
5798	Aquarii	9-10	2	87.59	3	21 23 56.338	+ 3.2665	- 0.0106	+ 0.0680	5798
5799	Capricorni	7-8	1	92.63	3	21 24 4.620	+ 3.4768	- 0.0187		5799
5800	Aquarii	8-9	1	91.78	3	21 24 33.032	+ 3.1020	- 0.0053		5800
5801	Capricorni	7-6	2	83.37	3	21 24 38.887	+ 3.2936	- 0.0116		5801
5802	Capricorni	7-8	3	85.06	3	21 25 14.848	+ 3.3720	- 0.0146		5802
5803	Capricorni	8	2	91.75	3	21 25 17.035	+ 3.4185	- 0.0164		5803
5804	Aquarii	7	2	89.05	3	21 25 41.269	+ 3.2229	- 0.0091	- 0.0100	5804
5805	22 Aquarii β	3-2	6	86.62	41	21 25 46.025	+ 3.1609	- 0.0071	- 0.0006	5805

5763. A fainter star, Lalande 41504, follows 34^s, and is about 30" north.

5789. A star of the 9 magnitude, Lalande 41701, follows 18^s, and is about 1' 30" north.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. " " "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
5761	81.55	26	27 52 48.63	-15.131	-0.129	-0.025	2786	105				3563	5761
5762	83.82	3	99 47 38.97	-15.138	-0.302	+0.110	2773		41482			3560	5762
5763	91.79	3	97 59 17.77	-15.139	-0.299				41487	317			5763
5764	83.31	5	107 18 8.78	-15.141	-0.313	-0.013	2772	84	41474		11330	3561	5764
5765	88.02	3	113 8 16.47	-15.174	-0.322			87	41494		11333	3564	5765
5766	84.71	3	93 35 52.81	-15.175	-0.292					334			5766
5767	86.66	3	96 6 4.31	-15.181	-0.295				41515	336			5767
5768	87.03	3	99 47 15.39	-15.193	-0.300	+0.023	2776	92	41521	338		3566	5768
5769	88.74	3	91 14 30.91	-15.221	-0.287				41549	355			5769
5770	87.99	3	113 13 4.71	-15.239	-0.320			97	41540		11339		5770
5771	85.08	3	111 19 8.33	-15.244	-0.317	+0.115	2778	99	41543		11343		5771
5772	86.32	3	114 53 35.15	-15.248	-0.323			98			11344		5772
5773	84.51	4	103 20 59.02	-15.259	-0.304	-0.002	2781	104	41560	360		3573	5773
5774	86.72	3	96 3 8.67	-15.301	-0.292				41591				5774
5775	91.47	3	98 39 20.89	-15.309	-0.295				41594				5775
5776	86.13	3	93 52 9.80	-15.313	-0.288	+0.037	2783	109	41603	390			5776
5777	84.89	3	45 57 10.76	-15.318	-0.204				41671				5777
5778	85.03	3	100 12 59.55	-15.322	-0.297	+0.167	2782	110	41605	393		3577	5778
5779	81.66	3	104 45 2.78	-15.326	-0.304				41601	392			5779
5780	88.68	5	114 17 43.50	-15.332	-0.319				41596		11357		5780
5781	83.50	3	94 1 41.13	-15.336	-0.288	+0.068	2784	113	41625	403			5781
5782	89.35	3	111 28 24.80	-15.368	-0.313			115	41629				5782
5783	86.04	3	89 56 26.12	-15.374	-0.281				41655	420			5783
5784	91.03	14	112 53 14.51	-15.383	-0.315	-0.013	2785	118	41639		11360		5784
5785	91.75	3	105 43 15.69	-15.383	-0.303				41647				5785
5786	87.33	3	102 33 51.10	-15.386	-0.299	+0.200		119	41651	418			5786
5787	91.76	3	107 44 40.86	-15.397	-0.306								5787
5788	81.69	3	111 40 16.75	-15.419	-0.312	+0.027	2787	122	41670				5788
5789	84.74	3	104 3 52.30	-15.438	-0.299			125	41691	441			5789
5790	88.35	3	97 29 23.82	-15.448	-0.290					451			5790
5791	86.65	3	102 8 31.31	-15.456	-0.296			126	41702	453			5791
5792	83.81	3	102 2 42.01	-15.488	-0.295			134	41725	465			5792
5793	82.07	3	112 17 7.81	-15.499	-0.310	+0.012	2790	132	41721				5793
5794	89.68	3	93 21 47.70	-15.509	-0.282			139	41744	478			5794
5795	89.35	3	99 28 7.91	-15.529	-0.290				41750	484			5795
5796	84.12	3	104 30 18.74	-15.565	-0.296			144	41760				5796
5797	86.35	3	109 37 38.21	-15.574	-0.303			145	41765				5797
5798	87.59	3	102 58 59.51	-15.580	-0.293	+0.300				502			5798
5799	92.63	3	115 40 28.00	-15.589	-0.312			148	41768		11379		5799
5800	91.78	3	92 0 57.61	-15.615	-0.277				41802	524			5800
5801	83.37	3	104 46 20.77	-15.620	-0.295			154	41794	522			5801
5802	85.06	3	109 43 12.94	-15.653	-0.301			158	41810				5802
5803	91.75	3	112 29 38.18	-15.655	-0.305				41807				5803
5804	89.05	3	100 13 28.91	-15.677	-0.286	+0.120			41835	546			5804
5805	84.47	14	96 3 16.50	-15.681	-0.281	+0.001	2797	162	41843		11389	3593	5805

5761, 5764, 5777, 5784, 5805, are respectively 5191, 5185, 5216, 5217, 5247 of the Radcliffe Catalogue, 1845.
 5761, 5764, 5771, 5772, 5778, 5784, 5793, 5805, are respectively 2081, 2080, 2084, 2085, 2088, 2089, 2091, 2094 of the Radcliffe Catalogue, 1860.
 5786, 5798, 5804. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
5806	Capricorni	6-7	...	89°41	3	21 26 12.902	+ 3.4614	- 0.0183		5806
5807	Capricorni	7	3	85°38	3	21 26 23.767	+ 3.2604	- 0.0105		5807
5808	Aquarii	8-7	4	91°12	3	21 26 59.433	+ 3.1028	- 0.0053		5808
5809	Cephei β^1	8	...	91°26	3	21 27 11.658	+ 0.7916	- 0.0348	+ 0.0012	5809
5810	8 Cephei β^2	3-4	...	83°39	8	21 27 14.184	+ 0.7918	- 0.0348	+ 0.0012	5810
5811	Capricorni	7-8	1	88°37	3	21 27 34.277	+ 3.2772	- 0.0111		5811
5812	Capricorni	7-8	4	89°04	3	21 27 35.497	+ 3.3197	- 0.0127	0.0000	5812
5813	Aquarii	C	...	84°48	3	21 27 46.927	+ 3.0914	- 0.0049		5813
5814	Cephei	6-5	1	89°74	3	21 28 2.549	- 1.6154	- 0.2779		5814
5815	Aquarii	7-6	...	81°73	3	21 28 21.948	+ 3.1423	- 0.0065		5815
5816	Aquarii	7	1	84°71	3	21 28 31.355	+ 3.1284	- 0.0060		5816
5817	37 Capricorni	6	3	90°38	10	21 28 40.288	+ 3.3803	- 0.0152	- 0.0026	5817
5818	38 Capricorni	7-6	3	86°68	3	21 28 43.629	+ 3.3829	- 0.0153	+ 0.0007	5818
5819	Aquarii	8-9	3	91°47	3	21 28 45.033	+ 3.1971	- 0.0083		5819
5820	Capricorni	7-6	2	88°79	7	21 28 58.330	+ 3.4360	- 0.0175		5820
5821	Aquarii	6-7	2	86°05	3	21 29 33.045	+ 3.1363	- 0.0063		5821
5822	8 Piscis Australis	6-5*	...	87°47	4	21 29 48.160	+ 3.4816	- 0.0197	+ 0.0061	5822
5823	73 Cygni ρ	4-5*	...	88°37	3	21 29 50.516	+ 2.2550	+ 0.0070	- 0.0034	5823
5824	Capricorni	8	2	91°44	3	21 30 14.560	+ 3.3505	- 0.0141		5824
5825	Capricorni	8-7	...	89°06	3	21 30 30.501	+ 3.4002	- 0.0162		5825
5826	Aquarii	7-8	3	86°69	3	21 30 46.339	+ 3.1511	- 0.0069		5826
5827	39 Capricorni ϵ	5-4	3	82°08	3	21 30 55.226	+ 3.3665	- 0.0148	- 0.0009	5827
5828	Aquarii	8	2	91°77	3	21 30 59.839	+ 3.1646	- 0.0073		5828
5829	Capricorni	8-7	3	91°79	3	21 31 0.609	+ 3.2249	- 0.0094		5829
5830	Capricorni	7-8	3	86°82	3	21 31 23.789	+ 3.2435	- 0.0100		5830
5831	Capricorni	7	4	87°30	5	21 31 28.607	+ 3.3618	- 0.0146		5831
5832	23 Aquarii ξ	5	2	87°16	21	21 31 53.723	+ 3.1906	- 0.0082	+ 0.0058	5832
5833	Aquarii	7-6	3	84°04	4	21 31 54.878	+ 3.0849	- 0.0048		5833
5834	Capricorni	7	1	89°39	3	21 32 11.966	+ 3.2939	- 0.0119		5834
5835	74 Cygni	5	1	91°77	3	21 32 32.435	+ 2.4014	+ 0.0072	- 0.0010	5835
5836	Aquarii	7	2	88°73	3	21 32 56.549	+ 3.1375	- 0.0064		5836
5837	Cygni	6-7	2	81°50	3	21 33 14.912	+ 2.2957	+ 0.0075		5837
5838	Capricorni	7-8	2	86°08	3	21 33 14.933	+ 3.2774	- 0.0113		5838
5839	Capricorni	6-7	2	84°46	3	21 33 33.310	+ 3.2285	- 0.0096		5839
5840	24 Aquarii	7-6	2	83°12	3	21 33 51.314	+ 3.0801	- 0.0045	+ 0.0142	5840
5841	40 Capricorni γ	4-3	2	85°12	3	21 33 59.713	+ 3.3180	- 0.0130	+ 0.0119	5841
5842	Capricorni	7-8	3	86°74	3	21 34 17.904	+ 3.2166	- 0.0092	- 0.0020	5842
5843	Aquarii	7	2	89°95	4	21 34 36.816	+ 3.1764	- 0.0078		5843
5844	Aquarii	7-8	1	88°38	3	21 34 49.311	+ 3.1142	- 0.0056		5844
5845	Capricorni	8-7	3	91°89	5	21 35 16.966	+ 3.3982	- 0.0165		5845
5846	Capricorni	7-8	3	85°68	3	21 35 26.880	+ 3.2888	- 0.0120		5846
5847	42 Capricorni	6-5	1	81°64	3	21 35 33.951	+ 3.2768	- 0.0115	- 0.0106	5847
5848	41 Capricorni	6-5	2	89°93	9	21 35 44.794	+ 3.4189	- 0.0175	+ 0.0055	5848
5849	Aquarii	9-8	2	91°45	3	21 35 57.240	+ 3.1059	- 0.0053		5849
5850	Capricorni	8	2	91°45	3	21 36 3.471	+ 3.2503	- 0.0105		5850

5813. A very faint object: the centre of the cluster was observed as nearly as possible.
 5816. A star of the 9-8 magnitude, Lalande 41954, precedes 5^s, and is about 3' south.
 5821. The N.P.D. of this star in Weisse's Bessel is 3' too small.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
5806	87.22	4	115 4 33.07	— 15.706	— 0.307			161	41841		11391		5806
5807	85.38	3	102 45 6.91	— 15.716	— 0.289				41870	561			5807
5808	91.12	3	92 5 35.01	— 15.747	— 0.273				41899	583			5808
5809	88.95	4	19 55 24.91	— 15.758	— 0.065	+ 0.012						3598	5809
5810	84.11	16	19 55 19.90	— 15.761	— 0.065	+ 0.012	2811	198				3599	5810
5811	88.37	3	103 56 12.55	— 15.779	— 0.288			172	41912	592			5811
5812	89.04	3	106 41 4.86	— 15.780	— 0.292	+ 0.130		171	41908				5812
5813	84.80	4	91 18 46.08	— 15.790	— 0.271				41928				5813
5814	87.47	4	9 57 18.06	— 15.805	+ 0.152				42215			3601	5814
5815	81.73	3	94 51 22.54	— 15.822	— 0.275				41947				5815
5816	84.71	3	93 53 53.03	— 15.830	— 0.273				41961	624			5816
5817	91.15	15	110 34 27.32	— 15.838	— 0.296	— 0.033	2800	180	41942				5817
5818	86.68	3	110 44 23.41	— 15.842	— 0.296	+ 0.050	2801	181	41946				5818
5819	91.47	3	98 38 49.46	— 15.842	— 0.279					628			5819
5820	89.91	10	113 56 35.77	— 15.854	— 0.300			184	41958		11402		5820
5821	86.05	3	94 28 23.90	— 15.885	— 0.272			190	42016	656		3604	5821
5822	87.47	4	116 39 42.11	— 15.898	— 0.303	+ 0.025	2802	188	41993		11408	3605	5822
5823	82.14	5	44 53 39.63	— 15.901	— 0.194	+ 0.105	2810	202	42070			3606	5823
5824	91.44	3	108 53 0.67	— 15.922	— 0.290			193					5824
5825	89.06	3	111 59 34.13	— 15.937	— 0.294				42032				5825
5826	86.69	3	95 32 38.06	— 15.950	— 0.272				42054	678			5826
5827	82.01	4	109 57 30.64	— 15.958	— 0.290	+ 0.003	2806	197	42045		11417		5827
5828	91.77	3	96 29 45.05	— 15.962	— 0.272				42060	687			5828
5829	91.79	3	100 40 0.80	— 15.963	— 0.278				42058	685			5829
5830	86.82	3	101 57 12.01	— 15.983	— 0.279				42073	695			5830
5831	87.30	5	109 43 27.64	— 15.987	— 0.289			201	42064				5831
5832	84.48	3	98 20 49.17	— 16.010	— 0.273	+ 0.022	2808	209	42098		11421	3608	5832
5833	84.13	3	90 52 58.97	— 16.011	— 0.264					707		3609	5833
5834	89.39	3	105 24 20.10	— 16.026	— 0.282			212	42104	713			5834
5835	88.97	4	50 4 50.10	— 16.043	— 0.203	— 0.009	2818	222	42169		11432		5835
5836	88.73	3	94 38 41.34	— 16.065	— 0.267				42144	732			5836
5837	81.56	3	45 47 49.60	— 16.081	— 0.193				42205				5837
5838	86.08	3	104 23 20.88	— 16.081	— 0.279				42148	738			5838
5839	84.46	3	101 4 17.36	— 16.096	— 0.274				42160	749			5839
5840	83.12	3	90 32 52.64	— 16.112	— 0.261	— 0.028	2816	224	42179	758			5840
5841	85.07	4	107 9 31.69	— 16.120	— 0.281	+ 0.013	2815	223	42170			3613	5841
5842	86.74	3	100 17 13.71	— 16.135	— 0.272	+ 0.150				770			5842
5843	89.95	4	97 28 22.25	— 16.152	— 0.268				42206	781			5843
5844	88.38	3	93 0 53.74	— 16.162	— 0.262				42212	791			5844
5845	91.89	5	112 25 39.06	— 16.186	— 0.286			230					5845
5846	85.68	3	105 20 28.99	— 16.195	— 0.276			232	42230	805			5846
5847	81.64	3	104 32 15.96	— 16.201	— 0.275	+ 0.299	2820	235	42239	809		3616	5847
5848	89.93	9	113 45 35.89	— 16.211	— 0.287	+ 0.106	2819	234	42235		11454		5848
5849	91.45	3	92 25 54.98	— 16.221	— 0.259				42253	820			5849
5850	91.45	3	102 45 1.97	— 16.226	— 0.272					818			5850

5809, 5810, 5814, 5823, 5827, 5832, 5835, 5837, 5841, are respectively 5276, 5277, 5299, 5288, 5289, 5302, 5309, 5317, 5314 of the Radcliffe Catalogue, 1845.
5809, 5810, 5812, 5814, 5822, 5827, 5832, 5840, 5841, 5847, 5848, are respectively 2099, 2101, 2098, 2104, 2103, 2106, 2107, 2112, 2113, 2115, 2116 of the Radcliffe Catalogue, 1860.
5812, 5842. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R. A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
5851	43 Capricorni κ	5-6	2	87.70	3	21	36	30.846	+ 3.3479	- 0.0144	+ 0.0072	5851
5852	Aquarii	8-7	4	86.75	3	21	36	37.229	+ 3.1960	- 0.0085		5852
5853	Capricorni	6-7	1	85.48	4	21	37	4.149	+ 3.3585	- 0.0149		5853
5854	44 Capricorni	6	1	85.76	3	21	37	4.286	+ 3.2803	- 0.0117	- 0.0026	5854
5855	Cephei	6	1	86.52	3	21	37	37.656	+ 0.8365	- 0.0352	+ 0.0245	5855
5856	45 Capricorni	6-7	1	87.04	3	21	38	0.519	+ 3.2842	- 0.0119	- 0.0036	5856
5857	80 Cygni π^1	5-4*	...	81.48	5	21	38	11.385	+ 2.1255	+ 0.0076	- 0.0019	5857
5858	Aquarii	7-6	2	84.39	3	21	38	38.610	+ 3.1433	- 0.0067		5858
5859	8 Pegasi ϵ	3-2	1	87.67	29	21	38	46.987	+ 2.9450	- 0.0005	+ 0.0008	5859
5860	Capricorni	7	4	81.78	3	21	39	3.250	+ 3.2022	- 0.0088	+ 0.0039	5860
5861	46 Capricorni c^1	5-6	3	82.51	3	21	39	8.336	+ 3.2027	- 0.0088	- 0.0023	5861
5862	Capricorni	7-6	3	86.68	3	21	39	23.632	+ 3.2543	- 0.0108		5862
5863	10 Pegasi κ	4-5	2	89.73	3	21	39	39.866	+ 2.7119	+ 0.0046	0.0000	5863
5864	Aquarii	8-9	3	91.79	3	21	39	46.115	+ 3.1189	- 0.0057		5864
5865	11 Cephei	5	2	82.77	7	21	40	18.386	+ 0.8741	- 0.0336	+ 0.0207	5865
5866	Capricorni	8-7	4	91.47	3	21	40	22.319	+ 3.3274	- 0.0138	0.0000	5866
5867	47 Capricorni c^2	6-7	3	85.46	3	21	40	24.088	+ 3.2044	- 0.0089	- 0.0015	5867
5868	48 Capricorni λ	6	1	85.08	3	21	40	36.748	+ 3.2331	- 0.0100	+ 0.0009	5868
5869	50 Capricorni	7	2	89.73	3	21	40	46.202	+ 3.2375	- 0.0102	- 0.0003	5869
5870	Aquarii	7-6	3	84.15	3	21	40	49.917	+ 3.1088	- 0.0054		5870
5871	49 Capricorni δ	3*	...	88.54	20	21	40	58.087	+ 3.3001	- 0.0127	+ 0.0166	5871
5872	Capricorni	7-8	2	89.40	3	21	41	10.217	+ 3.2768	- 0.0117		5872
5873	Aquarii	7-8	4	84.12	3	21	41	25.479	+ 3.1096	- 0.0054		5873
5874	Capricorni	7-8	1	92.52	5	21	41	32.994	+ 3.3502	- 0.0149		5874
5875	Aquarii	7-6	2	81.65	3	21	41	39.530	+ 3.1404	- 0.0065		5875
5876	Aquarii	6-7	...	82.50	3	21	41	50.839	+ 3.1579	- 0.0072		5876
5877	10 Cephei ν	5*	...	89.72	4	21	42	16.269	+ 1.7304	+ 0.0019	- 0.0002	5877
5878	Aquarii	9-8	2	91.47	3	21	42	43.626	+ 3.0919	- 0.0048		5878
5879	Capricorni	8-7	4	86.13	3	21	43	12.182	+ 3.2828	- 0.0121		5879
5880	Aquarii	6-7	1	84.72	3	21	43	16.077	+ 3.1503	- 0.0069		5880
5881	Capricorni	7-6	1	84.51	3	21	43	44.321	+ 3.2486	- 0.0108		5881
5882	Capricorni	7-6	4	86.65	3	21	44	9.859	+ 3.3059	- 0.0131		5882
5883	Capricorni	8-7	3	88.40	3	21	44	42.042	+ 3.3590	- 0.0155		5883
5884	Capricorni	7-6	4	84.51	4	21	44	43.758	+ 3.1969	- 0.0087		5884
5885	Aquarii	7-8	3	85.68	3	21	44	54.832	+ 3.0694	- 0.0040		5885
5886	Capricorni	7	2	86.45	3	21	45	8.740	+ 3.3995	- 0.0176		5886
5887	Capricorni	9-10	3	91.78	4	21	45	11.988	+ 3.3762	- 0.0165		5887
5888	Capricorni	8-7	1	89.03	3	21	45	12.555	+ 3.2107	- 0.0092		5888
5889	Aquarii	8-7	3	91.51	4	21	45	13.238	+ 3.1823	- 0.0081		5889
5890	Capricorni	7	2	87.73	4	21	45	35.183	+ 3.3292	- 0.0143		5890
5891	Aquarii	8-7	2	91.44	3	21	45	45.389	+ 3.1081	- 0.0053		5891
5892	Cygni	6-7	4	81.57	4	21	45	49.631	+ 2.3746	+ 0.0091		5892
5893	Aquarii	7	3	85.68	3	21	45	56.261	+ 3.0692	- 0.0040		5893
5894	Aquarii	6	1	81.69	3	21	46	38.185	+ 3.1199	- 0.0059		5894
5895	Aquarii	7	2	85.09	3	21	47	0.717	+ 3.1303	- 0.0061		5895

5858. The R. A. of this star in Weisse's Bessel is 1^m too small.5875. The R. A. of this star in Weisse's Bessel is 50^s too small.5880. The R. A. of this star in Weisse's Bessel is 1^m too small.

5887. The magnitude assigned to this star by Schönfeld is 8.3: but the

5859. Reddish star.

5867. Reddish star.

5870. Red star.

5876. The R. A. of this star in Weisse's Bessel is 1ⁿ too small.

5882. Reddish-yellow star.

and Nov. 2 respectively. Oxford estimations were 9, 9, and 10 on 1891, Sept. 15, Oct. 2,

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
5851	87°70	3	109 22 2·27	— 16·250	— 0·279	+ 0·003	2821	238	42255				5851
5852	86°75	3	98 57 56·74	— 16·255	— 0·266			240		830			5852
5853	85°48	4	110 7 21·07	— 16·278	— 0·279			243	42285				5853
5854	85°76	3	104 54 8·10	— 16·278	— 0·272	— 0·030	2823	244	42288	848		3619	5854
5855	86°60	3	19 11 17·28	— 16·306	— 0·064	+ 0·080	2854					3623	5855
5856	87°04	3	105 15 10·93	— 16·326	— 0·271	+ 0·050	2828	251	42327	869		3622	5856
5857	81°54	5	39 18 43·79	— 16·335	— 0·173	+ 0·010	2845	263					5857
5858	84°39	3	95 14 5·67	— 16·358	— 0·258				42355	865			5858
5859	82°02	5	80 37 43·75	— 16·365	— 0·241	— 0·011	2835	260	42370	898	11474	3626	5859
5860	81°79	4	99 32 29·39	— 16·379	— 0·263	+ 0·010	2833	257	42368	897		3628	5860
5861	82°14	6	99 35 12·88	— 16·383	— 0·262	— 0·020	2834	258	42369	900		3629	5861
5862	86°68	3	103 17 19·02	— 16·396	— 0·266								5862
5863	84°05	6	64 51 36·93	— 16·410	— 0·220	— 0·010	2848	269	42415			3635	5863
5864	91°79	3	93 27 20·18	— 16·415	— 0·254								5864
5865	82°74	6	19 11 41·69	— 16·442	— 0·066	— 0·080	2856	292				3639	5865
5866	91°47	3	108 25 38·49	— 16·445	— 0·271	+ 0·160			42407				5866
5867	85°25	4	99 46 58·49	— 16·447	— 0·260	— 0·001	2838	268	42414	927		3637	5867
5868	85°08	3	101 52 21·89	— 16·457	— 0·262	+ 0·013	2844	270	42418	930		3638	5868
5869	89°73	3	102 12 4·38	— 16·465	— 0·262	+ 0·133	2846	271	42420	933			5869
5870	84°15	3	92 43 14·67	— 16·468	— 0·252				42431	942			5870
5871	87°44	6	106 37 34·08	— 16·475	— 0·267	+ 0·297	2847	276	42425		11484	3641	5871
5872	89°40	3	105 1 18·96	— 16·485	— 0·265					944			5872
5873	84°12	3	92 47 53·01	— 16·497	— 0·251				42445	952			5873
5874	92°52	6	110 5 10·03	— 16·504	— 0·270								5874
5875	81°65	3	95 6 59·88	— 16·510	— 0·253				42457	938			5875
5876	82°50	3	96 25 33·30	— 16·519	— 0·254				42463	937			5876
5877	87°49	7	29 23 12·16	— 16·540	— 0·136	+ 0·007	2857	297				3643	5877
5878	91°47	3	91 28 26·73	— 16·562	— 0·247								5878
5879	86°13	3	105 37 53·93	— 16·585	— 0·262					985			5879
5880	84°72	3	95 54 47·84	— 16·589	— 0·251			290	42512	971			5880
5881	84°51	3	103 14 6·64	— 16·612	— 0·258			291	42518	994			5881
5882	86°65	3	107 21 26·43	— 16·633	— 0·262			294	42529				5882
5883	88°40	3	111 3 14·68	— 16·659	— 0·266				42544				5883
5884	84°51	4	99 29 40·12	— 16·661	— 0·252					1016			5884
5885	85°68	3	89 45 33·71	— 16·670	— 0·242				42567	1022			5885
5886	86°45	3	113 46 55·21	— 16·681	— 0·268			301	42555		11511		5886
5887	91°78	4	112 15 50·07	— 16·683	— 0·266								5887
5888	89°03	3	100 33 8·29	— 16·684	— 0·253				42569	1023			5888
5889	91°51	4	98 25 19·47	— 16·684	— 0·250				42570	1025			5889
5890	87°73	4	109 8 6·50	— 16·702	— 0·262			303	42574				5890
5891	91°44	3	92 45 24·69	— 16·710	— 0·243				42591	1039			5891
5892	81°62	4	46 37 25·95	— 16·714	— 0·184			313	42632				5892
5893	85°68	3	89 44 37·31	— 16·719	— 0·240				42600	1044			5893
5894	81°69	3	93 41 23·44	— 16·753	— 0·243				42616	1056			5894
5895	85°09	3	94 30 31·77	— 16·771	— 0·243			314	42638				5895

5855, 5857, 5859, 5865, 5871, 5877, 5892, are respectively 5372, 5367, 5366, 5386, 5382, 5391, 5414 of the Radcliffe Catalogue, 1845.
 5851, 5855, 5856, 5859, 5860, 5861, 5865, 5871, 5890, are respectively 2120, 2125, 2124, 2126, 2127, 2128, 2134, 2132, 2139 of the Radcliffe Catalogue, 1860.
 5866. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
5896	Aquarii	7	3	84°06	3	21	47	7.442	+ 3.2159	— 0.0095		5896
5897	51 Capricorni μ	5-6	1	83.28	4	21	47	17.805	+ 3.2558	— 0.0111	+ 0.0181	5897
5898	Capricorni	7-6	2	85.10	3	21	47	43.140	+ 3.2120	— 0.0094		5898
5899	16 Pegasi	6-5	3	87.10	17	21	48	3.452	+ 2.7268	+ 0.0053	— 0.0005	5899
5900	Aquarii	6*	...	82.10	3	21	48	25.622	+ 3.1334	— 0.0062	0.0000	5900
5901	Aquarii	6-7	1	83.86	3	21	48	52.671	+ 3.1208	— 0.0057		5901
5902	Capricorni	7-8	5	86.15	3	21	49	0.604	+ 3.2768	— 0.0122		5902
5903	Aquarii	8	2	91.48	3	21	49	6.549	+ 3.2326	— 0.0103		5903
5904	Aquarii	7-8	2	91.48	9	21	49	30.072	+ 3.3587	— 0.0159		5904
5905	Aquarii	7-8	2	88.66	4	21	50	19.079	+ 3.1523	— 0.0071		5905
5906	Aquarii	7-8	2	91.09	3	21	50	25.792	+ 3.1668	— 0.0076		5906
5907	Capricorni	7-6	2	83.83	3	21	50	42.391	+ 3.3106	— 0.0138		5907
5908	Aquarii	9-8	3	91.47	3	21	50	46.215	+ 3.0875	— 0.0045		5908
5909	Capricorni	8-7	3	91.41	3	21	50	59.375	+ 3.3281	— 0.0146		5909
5910	Capricorni	8-7	3	85.73	3	21	51	48.232	+ 3.2712	— 0.0121		5910
5911	Aquarii	7	3	84.76	3	21	51	49.272	+ 3.1860	— 0.0084		5911
5912	Aquarii	7-8	2	91.46	3	21	52	24.536	+ 3.1221	— 0.0058		5912
5913	Aquarii	6-7	...	83.84	3	21	52	27.238	+ 3.1460	— 0.0068	— 0.0032	5913
5914	Aquarii	7	1	89.03	3	21	52	28.507	+ 3.2380	— 0.0106		5914
5915	Aquarii	6-7	2	84.44	3	21	52	35.538	+ 3.3533	— 0.0159		5915
5916	Aquarii	7	3	85.70	3	21	53	5.390	+ 3.3908	— 0.0180		5916
5917	Aquarii	6-7	1	81.71	3	21	53	10.628	+ 3.1326	— 0.0062	— 0.0050	5917
5918	Cephei	6-5*	...	86.22	4	21	53	32.864	+ 1.6912	+ 0.0018		5918
5919	Aquarii	8-9	...	91.46	3	21	53	41.983	+ 3.0958	— 0.0048		5919
5920	Aquarii	7-8	...	89.37	3	21	53	52.869	+ 3.2063	— 0.0093		5920
5921	12 Piscis Australis η	5-6*	...	87.09	3	21	54	30.793	+ 3.4580	— 0.0218	— 0.0005	5921
5922	Aquarii	7-8	2	85.22	3	21	55	9.313	+ 3.2395	— 0.0108	— 0.0020	5922
5923	28 Aquarii	6-5	1	85.80	3	21	55	27.306	+ 3.0716	— 0.0039	— 0.0014	5923
5924	Aquarii	8-7	2	88.08	3	21	55	29.446	+ 3.2558	— 0.0096		5924
5925	Aquarii	7	3	88.66	3	21	55	33.239	+ 3.2724	— 0.0123		5925
5926	Aquarii	6	1	81.66	3	21	56	8.565	+ 3.3017	— 0.0138		5926
5927	29 Aquarii (1st star) ...	7-6	2	82.77	4	21	56	25.044	+ 3.2889	— 0.0132	— 0.0017	5927
5928	29 Aquarii (2nd star) ...	7-6	2	82.76	2	21	56	25.422	+ 3.2889	— 0.0132	— 0.0017	5928
5929	30 Aquarii	6	1	84.04	4	21	57	29.211	+ 3.1568	— 0.0073	+ 0.0010	5929
5930	31 Aquarii θ	5	1	84.73	3	21	57	37.435	+ 3.1044	— 0.0050	— 0.0011	5930
5931	16 Cephei	5-6*	...	84.46	4	21	57	40.456	+ 0.8947	— 0.0372	— 0.0144	5931
5932	Aquarii	8-7	2	89.05	3	21	58	10.624	+ 3.2358	— 0.0107		5932
5933	Aquarii	8	2	91.74	3	21	58	20.152	+ 3.3316	— 0.0154		5933
5934	Piscis Australis	6	...	86.74	3	21	58	21.288	+ 3.4226	— 0.0203		5934
5935	Aquarii	7-8	1	91.49	3	21	58	41.893	+ 3.1824	— 0.0083	0.0000	5935
5936	32 Aquarii	6-5	3	86.73	3	21	59	7.895	+ 3.0894	— 0.0044	— 0.0020	5936
5937	Aquarii	8-9	2	91.46	3	21	59	22.600	+ 3.1164	— 0.0055		5937
5938	Lacertæ	6-7	4	81.60	4	21	59	38.836	+ 2.4295	+ 0.0110		5938
5939	34 Aquarii α	3-2	5	85.78	52	22	0	8.019	+ 3.0825	— 0.0041	— 0.0008	5939
5940	Aquarii	7	2	89.74	3	22	0	13.881	+ 3.2567	— 0.0118		5940

5898. The N.P.D. of this star in Weisse's Bessel is 1' too great. A star, Lalande 42643, precedes 14^s, and is about 3' north.
5910. The magnitudes assigned to this star by Piazzzi, Lalande, Bessel, Argelander, Schönfeld, and Gould are 7.8, 8½, 7, 8, 6.8, and 7½ respectively.
5911. The magnitudes assigned to this star by Bessel, Schönfeld and Gould are 9, 7.5, and 6.7 respectively. A star of the 9 magnitude, Lalande 42784, follows, and is slightly more than 1' south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
5896	84°06	3	101 4 39'97	— 16'776	— 0'249				42633	1068			5896
5897	82°98	5	104 4 8'84	— 16'785	— 0'253	— 0'013	2860	315	42639		11528	3654	5897
5898	85°10	3	100 49 44'51	— 16'804	— 0'248				42647	1076		3656	5898
5899	85°88	5	64 35 31'65	— 16'820	— 0'209	+ 0'002	2864	321	42679		11530	3657	5899
5900	82°10	3	94 47 29'83	— 16'839	— 0'241	+ 0'100		320	42672	1092		3658	5900
5901	83°86	3	93 49 9'18	— 16'860	— 0'239				42687	1102			5901
5902	86°15	3	105 46 35'49	— 16'866	— 0'251			323	42684				5902
5903	91°48	3	102 29 24'19	— 16'871	— 0'248				42692	1106			5903
5904	91°48	9	111 39 33'45	— 16'889	— 0'257				42700				5904
5905	88°66	4	96 21 0'58	— 16'927	— 0'239				42725				5905
5906	91°09	3	97 30 5'26	— 16'933	— 0'240				42730	1136			5906
5907	83°83	3	108 25 8'72	— 16'945	— 0'251			332	42732				5907
5908	91°47	3	91 12 6'21	— 16'948	— 0'233					1145			5908
5909	91°41	3	109 42 44'84	— 16'959	— 0'252			333	42744				5909
5910	85°73	3	105 38 46'41	— 16'997	— 0'246			338	42770	1163			5910
5911	84°76	3	99 5 15'24	— 16'997	— 0'239				42780	1167			5911
5912	91°46	3	94 0 51'13	— 17'024	— 0'233				42810	1183			5912
5913	83°84	3	95 56 45'07	— 17'027	— 0'235	+ 0'120	2870	345	42812	1185			5913
5914	89°03	3	103 11 26'86	— 17'028	— 0'242			344	42807				5914
5915	84°44	3	111 42 26'91	— 17'034	— 0'251			343	42804			3665	5915
5916	85°70	3	114 21 26'80	— 17'056	— 0'253						11565		5916
5917	81°71	3	94 53 24'94	— 17'060	— 0'233	+ 0'220			42846				5917
5918	82°72	11	26 53 52'76	— 17'077	— 0'122			360				3666	5918
5919	91°46	3	91 54 23'39	— 17'084	— 0'229				42859	1213			5919
5920	89°37	3	100 50 15'36	— 17'093	— 0'237				42860	1216			5920
5921	87°09	3	118 58 52'98	— 17'122	— 0'255	— 0'017	2873	351	42864		11575	3667	5921
5922	85°22	3	103 33 6'51	— 17'150	— 0'237	+ 0'130			42898	1240			5922
5923	85°80	3	89 55 22'61	— 17'164	— 0'224	+ 0'001	2875	358	42913	1250			5923
5924	88°08	3	104 51 13'44	— 17'165	— 0'238				42908	1249			5924
5925	88°66	3	106 8 25'15	— 17'168	— 0'239				42909				5925
5926	81°66	3	108 25 50'27	— 17'196	— 0'240			361	42926			3672	5926
5927	82°77	4	107 29 39'88	— 17'208	— 0'239	— 0'019	2878	365	42935			3673	5927
5928	82°74	3	107 29 38'25	— 17'208	— 0'239	— 0'019	2878	365	42935			3674	5928
5929	84°04	4	97 3 13'24	— 17'255	— 0'227	— 0'013	2882	374	42978	1285		3675	5929
5930	84°73	3	92 41 10'89	— 17'261	— 0'223	+ 0'002	2883	376	42981	1288	11592		5930
5931	83°43	14	17 20 36'92	— 17'264	— 0'059	+ 0'176	2900	394				3677	5931
5932	89°05	3	103 33 4'77	— 17'287	— 0'232			379	42999	1300			5932
5933	91°74	3	110 56 40'35	— 17'293	— 0'239						11598	3678	5933
5934	86°74	3	117 21 17'57	— 17'294	— 0'245			378	42993				5934
5935	91°49	3	99 14 53'61	— 17'309	— 0'227	+ 0'110			43019	1311			5935
5936	86°73	3	91 26 16'92	— 17'328	— 0'219	+ 0'031	2887	382	43031	1319			5936
5937	91°46	3	93 44 37'03	— 17'339	— 0'221								5937
5938	81°66	4	46 11 14'90	— 17'351	— 0'170			392	43079				5938
5939	84°24	10	90 51 13'59	— 17'372	— 0'217	— 0'002	2890	387	43052	1345	11608	3680	5939
5940	89°74	3	105 25 52'09	— 17'376	— 0'230					1343			5940

5897, 5914, 5918, 5922, 5929, 5931, 5936, 5938, 5939, are respectively 5428, 5467, 5489, 5491, 5510, 5530, 5526, 5536, 5535 of the Radcliffe Catalogue, 1845.
 5897, 5899, 5900, 5913, 5922, 5927, 5931, 5936, 5939, are respectively 2140, 2141, 2142, 2147, 2149, 2155, 2158, 2159, 2160 of the Radcliffe Catalogue, 1860.
 5900, 5917, 5922, 5935. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R. A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
5941	Aquarii	7-8	2	89°74	3	22	0	18.966	+ 3.1413	- 0.0066	+ 0.0034	5941
5942	33 Aquarii	4*	...	86°40	3	22	0	29.644	+ 3.2435	- 0.0112	0.0000	5942
5943	18 Cephei	5-6	...	90°74	3	22	0	35.083	+ 1.7895	+ 0.0050	+ 0.0009	5943
5944	Aquarii	7	2	82°43	3	22	1	7.248	+ 3.3506	- 0.0167		5944
5945	Aquarii	8-7	3	90°77	3	22	1	21.584	+ 3.3147	- 0.0148		5945
5946	Aquarii	7	2	89°41	3	22	1	26.472	+ 3.2008	- 0.0092		5946
5947	Aquarii	8	4	91°12	3	22	1	28.307	+ 3.0721	- 0.0037		5947
5948	Aquarii	9-8	4	91°12	3	22	1	28.363	+ 3.0721	- 0.0037		5948
5949	Aquarii	7	3	85°87	3	22	1	37.933	+ 3.2495	- 0.0116		5949
5950	24 Pegasi	4*	...	87°96	11	22	1	53.394	+ 2.7679	+ 0.0060	+ 0.0209	5950
5951	Aquarii	7-8	3	89°00	3	22	2	26.424	+ 3.2741	- 0.0128		5951
5952	Aquarii	7	1	83°83	3	22	2	51.542	+ 3.2336	- 0.0109		5952
5953	35 Aquarii	6	1	82°47	4	22	2	57.050	+ 3.2982	- 0.0141	- 0.0022	5953
5954	Aquarii	7-6	2	84°78	3	22	3	19.339	+ 3.3653	- 0.0176		5954
5955	36 Aquarii	7	2	85°11	3	22	3	37.834	+ 3.1723	- 0.0080	+ 0.0017	5955
5956	Aquarii	7-6	2	84°72	3	22	3	41.508	+ 3.1647	- 0.0076	+ 0.0047	5956
5957	15 Piscis Australis	5-6	...	86°72	3	22	3	41.836	+ 3.4959	- 0.0256	+ 0.0349	5957
5958	27 Pegasi	π^1	...	89°11	3	22	4	21.198	+ 2.6586	+ 0.0088	- 0.0050	5958
5959	Aquarii	7-6	2	83°83	3	22	4	37.839	+ 3.1225	- 0.0057	+ 0.0026	5959
5960	37 Aquarii	e^1	1	82°13	3	22	4	39.709	+ 3.2020	- 0.0094	+ 0.0018	5960
5961	38 Aquarii	e^2	1	83°77	3	22	4	44.586	+ 3.2107	- 0.0098	+ 0.0008	5961
5962	Aquarii	6-7	2	84°69	3	22	4	49.594	+ 3.1267	- 0.0058	- 0.0002	5962
5963	Aquarii	6-7	1	85°72	3	22	4	56.025	+ 3.3295	- 0.0159	+ 0.0095	5963
5964	29 Pegasi	π^2	4*	88°37	3	22	5	6.063	+ 2.6610	+ 0.0089	- 0.0020	5964
5965	Cephei	7	...	88°20	3	22	5	7.627	+ 1.1148	- 0.0247		5965
5966	Aquarii	7	2	89°04	3	22	6	25.007	+ 3.2031	- 0.0095	+ 0.0111	5966
5967	39 Aquarii	6-7	1	85°16	3	22	6	29.772	+ 3.2396	- 0.0113	- 0.0005	5967
5968	Aquarii	9-8	4	91°14	3	22	6	32.529	+ 3.2859	- 0.0136		5968
5969	Aquarii	7-8	3	86°14	3	22	6	47.242	+ 3.1679	- 0.0078		5969
5970	Aquarii	7-8	2	86°73	3	22	6	55.656	+ 3.1504	- 0.0070		5970
5971	Aquarii	7-6	...	85°00	3	22	7	0.073	+ 3.1308	- 0.0061	- 0.0047	5971
5972	Aquarii	5-6	1	86°73	3	22	7	33.388	+ 3.3760	- 0.0190		5972
5973	40 Aquarii	7	3	85°86	3	22	7	33.391	+ 3.2118	- 0.0100	- 0.0007	5973
5974	24 Cephei	6-5	1	82°49	6	22	7	41.387	+ 1.1587	- 0.0224	+ 0.0021	5974
5975	Aquarii	7-8	2	91°13	3	22	7	41.875	+ 3.0758	- 0.0036		5975
5976	Aquarii	7-8	4	89°07	3	22	7	44.089	+ 3.0966	- 0.0045		5976
5977	41 Aquarii	6	...	84°21	4	22	8	13.361	+ 3.3208	- 0.0157	- 0.0015	5977
5978	Aquarii	7-8	4	89°02	3	22	8	18.307	+ 3.2978	- 0.0145		5978
5979	Aquarii	7	2	85°75	3	22	8	37.855	+ 3.3577	- 0.0179		5979
5980	Aquarii	7-8	3	86°41	3	22	8	40.722	+ 3.2473	- 0.0118	- 0.0050	5980
5981	Aquarii	7-6	2	83°81	3	22	8	40.756	+ 3.2556	- 0.0122	0.0000	5981
5982	Aquarii	8-9	2	91°73	3	22	10	15.876	+ 3.1079	- 0.0049		5982
5983	Aquarii	8-9	2	91°44	3	22	10	51.913	+ 3.1924	- 0.0091		5983
5984	Aquarii	7-6	2	89°78	3	22	10	52.525	+ 3.3413	- 0.0172		5984
5985	Aquarii	7-8	2	90°07	3	22	10	53.064	+ 3.2049	- 0.0097		5985

5947, 5948. These stars were also observed as one mass, 88.56 4 22^h 1^m 28^s.237 88°37' 2 89° 58' 1".75.
 5967. A star, Lalande 43274, precedes 14^s, and is 2' south.
 5973. The magnitude assigned to this star in Weisse's Bessel is 9.
 5977. Double: the companion follows, and is south.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
5941	89°74	3	95 53 27.38	— 17.380	— 0.221	+ 0.090	2888		43066	1349			5941
5942	86°40	3	104 24 10.46	— 17.388	— 0.228	+ 0.049	2889	389	43069	1353	11609	3683	5942
5943	83°22	4	27 24 54.47	— 17.392	— 0.122	— 0.020	2906					3685	5943
5944	82°43	3	112 46 36.63	— 17.415	— 0.235			393	43082		11614		5944
5945	90°77	3	110 6 19.54	— 17.426	— 0.232				43097				5945
5946	89°41	3	100 58 59.49	— 17.429	— 0.223				43104	1373		3689	5946
5947	89°77	3	89 58 2.37	— 17.430	— 0.214				43111	1379			5947
5948	89°77	3	89 58 3.44	— 17.430	— 0.214				43111	1379			5948
5949	85°87	3	105 1 35.69	— 17.437	— 0.227				43108	1378			5949
5950	90°19	3	65 11 31.16	— 17.448	— 0.192	— 0.020	2899	402	43137		11625	3691	5950
5951	89°00	3	107 4 51.70	— 17.472	— 0.227								5951
5952	83°83	3	103 50 18.03	— 17.490	— 0.223				43155	1402			5952
5953	82°47	4	109 3 28.03	— 17.494	— 0.228	— 0.002	2898	407	43156				5953
5954	84°78	3	114 11 53.52	— 17.510	— 0.232				43163		11630		5954
5955	85°11	3	98 43 34.43	— 17.523	— 0.217	— 0.040	2905	414	43183	12			5955
5956	84°72	3	98 4 25.88	— 17.525	— 0.217	+ 0.470	2904		43186	14		3696	5956
5957	86°72	3	123 5 19.17	— 17.525	— 0.240	— 0.023	2901	410			11633		5957
5958	89°11	3	57 21 54.08	— 17.554	— 0.180	+ 0.061	2915	3	43245			3697	5958
5959	83°83	3	94 25 58.03	— 17.565	— 0.212	+ 0.070	2912	421	43226	35			5959
5960	82°13	3	101 21 41.74	— 17.567	— 0.218	— 0.047	2908	418		34		3698	5960
5961	83°77	3	102 6 20.11	— 17.571	— 0.218	— 0.010	2909	420	43222	37		3700	5961
5962	84°69	3	94 48 27.55	— 17.574	— 0.212	+ 0.010	2913	2	43239	42			5962
5963	85°72	3	111 46 20.49	— 17.578	— 0.226	+ 0.035		419	43225				5963
5964	85°71	5	57 21 41.24	— 17.585	— 0.179	+ 0.005	2917	6	43267			3701	5964
5965	86°99	4	18 10 1.44	— 17.586	— 0.071								5965
5966	89°04	3	101 36 28.09	— 17.640	— 0.215	+ 0.030	2918		43286	72			5966
5967	85°16	3	104 44 7.42	— 17.644	— 0.217	+ 0.035	2919	9	43289	73			5967
5968	91°14	3	108 34 12.35	— 17.646	— 0.220				43288				5968
5969	86°14	3	98 33 20.47	— 17.656	— 0.212				43305	81			5969
5970	86°73	3	97 0 45.40	— 17.662	— 0.210			14		87			5970
5971	85°00	3	95 15 46.12	— 17.664	— 0.209	+ 0.022	2920	17	43315				5971
5972	86°73	3	115 43 31.08	— 17.687	— 0.224			19			11654	3707	5972
5973	85°86	3	102 28 10.51	— 17.687	— 0.213	+ 0.003	2921	20	43324	94			5973
5974	82°55	7	18 12 2.95	— 17.693	— 0.072	+ 0.007	2932	40					5974
5975	91°13	3	90 18 6.37	— 17.693	— 0.204					98			5975
5976	89°07	3	92 11 41.99	— 17.695	— 0.205				43338	100			5976
5977	84°21	4	111 37 15.84	— 17.715	— 0.219	— 0.068	2923	22	43343				5977
5978	89°02	3	109 47 31.68	— 17.718	— 0.218				43348				5978
5979	85°75	3	114 32 58.58	— 17.732	— 0.221						11662		5979
5980	86°41	3	105 38 40.48	— 17.734	— 0.214	+ 0.140			43367	118			5980
5981	83°81	3	106 21 11.47	— 17.734	— 0.214	+ 0.450			43363				5981
5982	91°73	3	93 17 31.70	— 17.798	— 0.201				43426	162			5982
5983	91°44	3	101 3 59.61	— 17.822	— 0.206				43445				5983
5984	89°78	3	113 41 11.72	— 17.823	— 0.216				43434		11680		5984
5985	90°07	3	102 11 46.12	— 17.823	— 0.207				43446	175			5985

5942, 5943, 5965, 5974, are respectively 5538, 5545, 5585, 5606 of the Radcliffe Catalogue, 1845.

5942, 5943, 5950, 5959, 5962, 5966, 5971, 5972, 5974, are respectively 2162, 2165, 2169, 2173, 2177, 2181, 2182, 2183, 2189 of the Radcliffe Catalogue, 1860.

5963. The Proper Motions have been taken from Bonn Obs., Vol. VII.

5980, 5981. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
5986	Aquarii	6	1	85.08	3	22	10	53.589	+ 3.0954	— 0.0044		5986
5987	42 Aquarii	6-5	2	83.80	3	22	10	54.555	+ 3.2182	— 0.0104	— 0.0015	5987
5988	Aquarii	7-8	1	90.41	3	22	11	0.530	+ 3.2388	— 0.0115		5988
5989	43 Aquarii θ	4-5	3	85.51	31	22	11	1.707	+ 3.1621	— 0.0076	+ 0.0057	5989
5990	Aquarii	6-7	...	89.75	3	22	11	4.080	+ 3.1758	— 0.0082	— 0.0012	5990
5991	44 Aquarii	6-5	3	83.04	4	22	11	21.902	+ 3.1360	— 0.0062	— 0.0019	5991
5992	Aquarii	7	1	87.79	3	22	11	29.728	+ 3.2534	— 0.0123		5992
5993	Aquarii	7-6	4	86.03	3	22	12	25.888	+ 3.0808	— 0.0037		5993
5994	Aquarii	7-8	2	88.03	4	22	12	31.287	+ 3.3080	— 0.0154		5994
5995	45 Aquarii	6	3	84.72	3	22	13	6.399	+ 3.2208	— 0.0106	+ 0.0035	5995
5996	Aquarii	7-8	3	90.05	3	22	13	36.299	+ 3.2584	— 0.0127		5996
5997	Aquarii	8-7	2	90.82	3	22	14	6.274	+ 3.1206	— 0.0055		5997
5998	Aquarii	8-7	3	91.12	3	22	14	23.662	+ 3.2073	— 0.0099		5998
5999	46 Aquarii ρ	6	1	84.82	3	22	14	24.571	+ 3.1600	— 0.0075	— 0.0008	5999
6000	Aquarii	7-8	3	89.04	3	22	15	3.030	+ 3.1695	— 0.0080		6000
6001	Aquarii	8-9	3	90.78	3	22	15	24.174	+ 3.2761	— 0.0139		6001
6002	47 Aquarii	6-5	2	84.24	3	22	15	32.064	+ 3.3120	— 0.0160	— 0.0034	6002
6003	Aquarii	7-8	2	88.64	3	22	15	38.369	+ 3.1426	— 0.0067		6003
6004	48 Aquarii γ	4-3	6	86.20	46	22	15	58.453	+ 3.0924	— 0.0041	+ 0.0068	6004
6005	32 Pegasi	6-5	1	90.49	3	22	16	14.629	+ 2.7645	+ 0.0082	— 0.0001	6005
6006	Aquarii	7-8	...	88.72	3	22	17	25.773	+ 3.2329	— 0.0116		6006
6007	Pegasi	8-7	3	89.70	3	22	17	38.866	+ 2.9820	+ 0.0008		6007
6008	Aquarii	6-7	2	81.98	4	22	17	45.973	+ 3.1510	— 0.0072		6008
6009	Aquarii	7-8	3	86.77	4	22	17	52.170	+ 3.1013	— 0.0046		6009
6010	Pegasi	9	3	89.70	3	22	18	6.056	+ 2.9824	+ 0.0008		6010
6011	Aquarii	7-8	2	88.71	3	22	18	13.247	+ 3.3064	— 0.0159		6011
6012	Aquarii	7-8	2	85.72	3	22	18	18.453	+ 3.1815	— 0.0087		6012
6013	51 Aquarii	6	2	83.50	4	22	18	23.002	+ 3.1266	— 0.0058	— 0.0010	6013
6014	Aquarii	8-7	3	86.76	3	22	18	29.829	+ 3.0987	— 0.0043		6014
6015	50 Aquarii	6-7	1	83.84	3	22	18	33.439	+ 3.2162	— 0.0106	+ 0.0015	6015
6016	Aquarii	7-6	3	82.78	3	22	18	55.314	+ 3.0899	— 0.0039		6016
6017	Aquarii	7-8	3	84.72	3	22	19	47.162	+ 3.2875	— 0.0149		6017
6018	Aquarii	8-9	2	87.38	3	22	19	47.447	+ 3.2875	— 0.0149		6018
6019	Aquarii	6-7	2	86.15	3	22	20	5.601	+ 3.3267	— 0.0174		6019
6020	Aquarii	8	3	91.13	3	22	20	18.641	+ 3.2678	— 0.0138		6020
6021	Aquarii	7-8	1	89.72	3	22	20	22.713	+ 3.1291	— 0.0059		6021
6022	Aquarii	7-8	1	89.41	3	22	20	33.338	+ 3.1054	— 0.0047		6022
6023	Aquarii	6-7	2	84.07	3	22	20	35.588	+ 3.2475	— 0.0125	+ 0.0155	6023
6024	53 Aquarii	6-7	2	84.07	3	22	20	36.112	+ 3.2475	— 0.0125	+ 0.0138	6024
6025	Aquarii	7-6	1	85.60	4	22	20	47.966	+ 3.1507	— 0.0071		6025
6026	54 Aquarii	7	...	84.79	3	22	20	50.994	+ 3.1895	— 0.0093	+ 0.0022	6026
6027	Aquarii	8	3	91.12	3	22	20	59.563	+ 3.1619	— 0.0078		6027
6028	Aquarii	7-6	2	84.16	3	22	21	26.446	+ 3.0907	— 0.0039		6028
6029	Ursæ Minoris	6-5	5	84.72	7	22	21	58.636	— 4.0575	— 1.2712	+ 0.0531	6029
6030	Ursæ Minoris	7-6	2	88.10	4	22	22	23.112	— 4.2191	— 1.3446	+ 0.0253	6030

6003. A star of equal magnitude, Lalande 43614, follows by several seconds, and is about 4' north.

6012. Red star.

6017, 6018. A star of the 10-9 magnitude follows this double, on the same parallel, by about 10'.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
5986	85°08	3	92 8 37.77	— 17.823	— 0.199			43	43452	177			5986
5987	83°80	3	103 22 46.53	— 17.824	— 0.207	— 0.005	2928	41	43447				5987
5988	90°41	3	105 12 16.65	— 17.828	— 0.209								5988
5989	83°22	15	98 19 50.29	— 17.829	— 0.203	+ 0.019	2929	44	43453	178	11682	3722	5989
5990	89°75	3	99 35 16.72	— 17.830	— 0.204	+ 0.011	2930	46	43454	180		3723	5990
5991	83°04	4	95 56 9.97	— 17.842	— 0.201	— 0.042	2931	48	43467	188		3727	5991
5992	87°79	3	106 31 42.91	— 17.848	— 0.209				43463				5992
5993	86°03	3	90 47 8.10	— 17.885	— 0.196				43518	205			5993
5994	88°41	3	111 17 21.06	— 17.888	— 0.210				43510				5994
5995	84°72	3	103 51 19.25	— 17.911	— 0.204	+ 0.001	2936	56	43530	217			5995
5996	90°05	3	107 15 11.43	— 17.931	— 0.205				43540				5996
5997	90°82	3	94 37 1.42	— 17.950	— 0.195				43554	238			5997
5998	91°12	3	102 46 24.63	— 17.962	— 0.200				43560	243			5998
5999	84°82	3	98 22 22.90	— 17.963	— 0.197	— 0.007	2939	63	43564			3731	5999
6000	89°04	3	99 19 2.98	— 17.987	— 0.197				43579	259			6000
6001	90°78	3	109 3 35.13	— 18.000	— 0.203								6001
6002	84°24	3	112 8 56.88	— 18.006	— 0.205	+ 0.069	2940	67	43588		11707	3734	6002
6003	88°64	3	96 47 46.64	— 18.009	— 0.194			68	43598			3735	6003
6004	83°95	8	91 56 28.73	— 18.022	— 0.190	— 0.017	2943	72	43616	280	11711	3737	6004
6005	87°44	7	62 13 23.79	— 18.033	— 0.169	+ 0.003	2946	77	43639			3739	6005
6006	88°72	3	105 30 5.00	— 18.078	— 0.196				43654				6006
6007	89°70	3	81 5 44.18	— 18.086	— 0.180				43671				6007
6008	81°98	4	97 45 1.19	— 18.091	— 0.191			81	43670	314			6008
6009	86°77	4	92 51 23.78	— 18.095	— 0.187				43675	320			6009
6010	89°70	3	81 5 29.56	— 18.103	— 0.179								6010
6011	88°71	3	112 9 14.45	— 18.108	— 0.200				43679				6011
6012	85°72	3	100 45 12.67	— 18.111	— 0.191			83	43692	336			6012
6013	83°50	4	95 23 34.93	— 18.114	— 0.188	— 0.002	2950	85	43699	337		3743	6013
6014	86°76	3	92 37 6.12	— 18.119	— 0.186				43707	342			6014
6015	83°84	3	104 5 12.17	— 18.121	— 0.193	— 0.014	2949	86	43701	340	11727		6015
6016	82°78	3	91 44 42.32	— 18.134	— 0.185			89	43730				6016
6017	84°72	3	110 47 42.66	— 18.166	— 0.195				43743				6017
6018	87°38	3	110 47 47.41	— 18.166	— 0.195				43741				6018
6019	86°15	3	114 14 28.51	— 18.178	— 0.197			91			11736		6019
6020	91°13	3	109 7 21.56	— 18.186	— 0.193								6020
6021	89°72	3	95 44 11.90	— 18.189	— 0.184				43779	390			6021
6022	89°41	3	93 20 43.57	— 18.195	— 0.183				43785	394			6022
6023	83°72	2	107 18 0.82	— 18.196	— 0.191	— 0.020	2953	93	43776				6023
6024	84°07	3	107 18 5.14	— 18.196	— 0.191	+ 0.023	2954	94	43778				6024
6025	85°60	4	97 56 8.90	— 18.204	— 0.185				43754	397			6025
6026	84°79	3	101 47 13.07	— 18.205	— 0.187	— 0.008	2955	98	43790	398			6026
6027	91°12	3	99 4 13.18	— 18.211	— 0.185				43800	402			6027
6028	84°16	3	91 52 8.85	— 18.227	— 0.180				43821	413			6028
6029	85°98	6	4 26 45.57	— 18.247	+ 0.253	— 0.044	2993	165				3758	6029
6030	89°84	3	4 19 53.80	— 18.261	+ 0.262	— 0.012	2997	167				3765	6030

5989, 6004, 6029, 6030, are respectively 5626, 5648, 5723, 5729 of the Radcliffe Catalogue, 1845.
 5989, 6004, 6015, 6023, 6024, 6029, 6030, are respectively 2193, 2199, 2208, 2211, 2212, 2227, 2231 of the Radcliffe Catalogue, 1860.

No.	Constellation.				Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
									h.	m.	s.	s.	s.	s.	
6031	55	Aquarii	...	...	ζ^1	6	1	83.89	22	23	10.019	+ 3.0781	- 0.0033	+ 0.0110	6031
6032	55	Aquarii	...	...	ζ^2	6-5	1	83.35	22	23	10.104	+ 3.0781	- 0.0033	+ 0.0110	6032
6033		Aquarii	...	...	...	7-8	1	89.05	22	23	16.121	+ 3.1720	- 0.0083		6033
6034		Aquarii	...	...	...	7-6	2	86.16	22	24	8.548	+ 3.2026	- 0.0101	+ 0.0098	6034
6035	56	Aquarii	...	...	...	7-6	3	82.41	22	24	23.592	+ 3.2191	- 0.0111	- 0.0003	6035
6036		Aquarii	...	...	...	7-8	1	89.73	22	24	30.741	+ 3.2370	- 0.0123		6036
6037		Aquarii	...	...	...	8-7	...	88.09	22	24	31.762	+ 3.0765	- 0.0031		6037
6038		Aquarii	...	...	...	8	3	91.40	22	24	43.899	+ 3.1234	- 0.0055		6038
6039		Aquarii	...	...	...	8	3	91.14	22	24	45.816	+ 3.1549	- 0.0074		6039
6040	57	Aquarii	...	...	σ	5-6	5	88.06	22	24	49.494	+ 3.1797	- 0.0088	- 0.0011	6040
6041		Aquarii	...	...	...	6-7	1	84.78	22	25	32.041	+ 3.1394	- 0.0064		6041
6042		Aquarii	...	...	...	6-7	3	82.76	22	25	37.185	+ 3.1050	- 0.0046		6042
6043	58	Aquarii	...	...	...	6-7	3	83.54	22	25	51.413	+ 3.1808	- 0.0090	+ 0.0030	6043
6044		Aquarii	...	...	...	7	2	84.16	22	26	46.967	+ 3.1378	- 0.0064	+ 0.0170	6044
6045		Aquarii	...	...	...	8-7	2	90.78	22	27	6.614	+ 3.2444	- 0.0129		6045
6046		Aquarii	...	...	...	7-6	3	82.05	22	28	18.778	+ 3.1659	- 0.0081		6046
6047		Aquarii	...	...	...	8-9	3	91.43	22	28	20.127	+ 3.2953	- 0.0163		6047
6048	60	Aquarii	...	...	...	6	1	83.72	22	28	22.663	+ 3.0919	- 0.0038	+ 0.0008	6048
6049		Aquarii	...	...	...	9-8	1	91.41	22	28	26.305	+ 3.2579	- 0.0138		6049
6050	59	Aquarii	...	...	ν	6-5	2	84.78	22	28	40.527	+ 3.2745	- 0.0150	+ 0.0140	6050
6051		Aquarii	...	...	...	7-8	2	89.41	22	28	56.814	+ 3.1075	- 0.0047		6051
6052		Aquarii	...	...	...	7-8	2	88.39	22	28	58.297	+ 3.0722	- 0.0029	- 0.0040	6052
6053		Aquarii	...	...	...	6-7	3	86.31	22	29	33.204	+ 3.3074	- 0.0174		6053
6054	62	Aquarii	...	...	η	4	9	85.88	22	29	42.212	+ 3.0786	- 0.0030	+ 0.0042	6054
6055	61	Aquarii	...	...	...	7-6	3	86.11	22	29	53.351	+ 3.2392	- 0.0128	- 0.0046	6055
6056		Aquarii	...	...	...	7-6	3	84.15	22	30	11.922	+ 3.2282	- 0.0120		6056
6057		Aquarii	...	...	...	7-8	4	89.01	22	30	30.827	+ 3.1461	- 0.0070		6057
6058		Aquarii	...	...	...	8-9	3	90.77	22	30	40.534	+ 3.2458	- 0.0133		6058
6059		Aquarii	...	...	...	8-7	3	91.13	22	31	14.680	+ 3.1934	- 0.0099		6059
6060		Aquarii	...	...	...	7-8	1	91.13	22	31	16.016	+ 3.1826	- 0.0092		6060
6061		Aquarii	...	...	...	7-8	2	89.37	22	31	31.144	+ 3.2652	- 0.0147		6061
6062	63	Aquarii	...	...	κ	5	5	82.22	22	32	3.478	+ 3.1145	- 0.0050	- 0.0060	6062
6063		Aquarii	...	...	...	6-7	2	81.75	22	32	35.766	+ 3.1466	- 0.0070		6063
6064		Aquarii	...	...	...	8	...	91.48	22	32	42.479	+ 3.2023	- 0.0105		6064
6065	31	Cephei	...	...	...	5	1	82.18	22	33	3.017	+ 1.4458	- 0.0072	+ 0.0416	6065
6066	64	Aquarii	...	...	...	7	1	83.87	22	33	28.654	+ 3.1647	- 0.0082	- 0.0040	6066
6067		Aquarii	...	...	...	9-10	2	91.51	22	33	47.796	+ 3.0924	- 0.0036		6067
6068		Aquarii	...	...	...	8-7	1	89.03	22	34	6.001	+ 3.2484	- 0.0138		6068
6069		Aquarii	...	...	...	7	2	82.77	22	34	19.738	+ 3.1580	- 0.0078	+ 0.0122	6069
6070		Aquarii	...	...	...	7-8	2	89.39	22	34	28.215	+ 3.1333	- 0.0061		6070
6071		Aquarii	...	...	...	8-7	2	89.72	22	34	44.712	+ 3.2243	- 0.0121		6071
6072		Aquarii	...	...	...	7	...	89.12	22	35	3.026	+ 3.2890	- 0.0168		6072
6073		Aquarii	...	...	...	6-7	1	84.78	22	35	6.429	+ 3.1074	- 0.0045		6073
6074		Aquarii	...	...	...	7	4	84.89	22	35	36.007	+ 3.1819	- 0.0094		6074
6075	42	Pegasi	...	...	ζ	4-3	6	87.25	22	35	58.530	+ 2.9858	+ 0.0023	+ 0.0044	6075

6031, 6032. Observed also as one mass, 82.84 1 22^h 23^m 9^s.989 90° 34' 56".36.

6039. Double: the companion, of the 9 magnitude, precedes, and is north.

6059. The declination given in Weisse's Bessel for this star is wrong in sign.

6062. The magnitude assigned to this star in Weisse's Bessel is 7.

6073. The N. P. D. of this star in Weisse's Bessel is 7° too great.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
6031	83.89	2	90 34 54.99	-18.289	-0.176	-0.042	2960	111	43878	450	11750	3759	6031
6032	83.35	4	90 34 57.85	-18.289	-0.176	-0.042	2960	111	43878	450	11751	3760	6032
6033	89.05	3	100 18 2.07	-18.293	-0.182			110	43875	451			6033
6034	86.16	3	103 28 41.28	-18.324	-0.182	-0.010	2961		43907	466			6034
6035	82.41	3	105 8 52.03	-18.334	-0.182	+0.039	2963	117	43917		11762		6035
6036	89.73	3	106 54 41.18	-18.337	-0.183				43918				6036
6037	88.09	3	90 25 28.26	-18.338	-0.174				43933	474			6037
6038	91.40	3	95 22 53.38	-18.346	-0.176				43938	478			6038
6039	91.14	3	98 40 41.35	-18.346	-0.178				43936	477			6039
6040	85.99	9	101 14 26.13	-18.348	-0.179	+0.037	2966	122	43939	480	11769	3769	6040
6041	84.78	3	97 6 57.41	-18.373	-0.176				43974	493		3777	6041
6042	82.76	3	93 28 27.05	-18.376	-0.173				43981	494			6042
6043	83.54	4	101 28 8.49	-18.384	-0.177	+0.023	2967	130	43983	496	11780	3778	6043
6044	84.16	3	97 2 1.34	-18.417	-0.173	-0.020			44019	519			6044
6045	90.78	3	108 3 59.47	-18.429	-0.179			138	44024				6045
6046	82.05	3	100 10 31.18	-18.470	-0.172			142	44067	550			6046
6047	91.43	3	113 10 12.98	-18.470	-0.179				44060				6047
6048	83.72	3	92 8 23.93	-18.472	-0.168	+0.031	2977	144	44074	553			6048
6049	92.05	4	109 37 4.84	-18.474	-0.177								6049
6050	84.78	3	111 16 16.52	-18.482	-0.177	+0.152	2976	143	44073		11793	3784	6050
6051	89.41	3	93 52 27.42	-18.491	-0.167				44090	564			6051
6052	88.39	3	89 58 13.02	-18.492	-0.165	+0.080		145	44096	574			6052
6053	86.31	4	114 33 34.14	-18.511	-0.178			146	44107		11799	3786	6053
6054	83.60	9	90 41 2.78	-18.517	-0.164	+0.053	2979	151	44131	582	11800	3787	6054
6055	86.11	3	108 1 40.17	-18.523	-0.173	+0.041	2978	149	44126				6055
6056	84.15	3	106 57 23.72	-18.534	-0.172				44142				6056
6057	89.01	3	98 14 2.00	-18.544	-0.167								6057
6058	90.77	3	108 50 25.93	-18.549	-0.172				44152				6058
6059	91.13	3	103 28 4.75	-18.568	-0.168					616			6059
6060	91.13	3	102 18 2.45	-18.569	-0.167				44167	617			6060
6061	89.37	3	110 56 49.82	-18.577	-0.171			160	44173				6061
6062	82.22	8	94 47 41.72	-18.595	-0.162	+0.108	2983	166	44203	633		3790	6062
6063	81.75	3	98 28 6.97	-18.612	-0.163				44223	641			6063
6064	91.48	3	104 38 20.90	-18.616	-0.166				44225	644			6064
6065	84.25	14	16 55 39.79	-18.627	-0.070	-0.023	2994	185				3793	6065
6066	83.87	4	100 35 58.93	-18.641	-0.162	+0.003	2984	170	44267	666	11822	3794	6066
6067	91.51	3	92 19 6.93	-18.651	-0.158								6067
6068	89.03	3	109 46 11.36	-18.661	-0.165				44290				6068
6069	82.77	3	99 56 0.85	-18.669	-0.160	-0.032		176	44304	685			6069
6070	89.39	3	97 6 23.25	-18.673	-0.159			178	44314	690			6070
6071	89.72	3	107 20 40.03	-18.682	-0.163				44317				6071
6072	89.12	3	114 5 37.57	-18.691	-0.166				44324		11832		6072
6073	84.78	3	94 7 34.87	-18.693	-0.156			183	44337	704			6073
6074	84.89	3	102 48 13.52	-18.708	-0.159				44349	708			6074
6075	81.87	4	79 44 33.43	-18.721	-0.148	+0.018	2992	189	44376	720	11836	3808	6075

6031, 6040, 6054, 6062, 6065, 6075, are respectively 5695, 5702, 5742, 5764, 5774, 5788 of the Radcliffe Catalogue, 1845.
6031, 6032, 6034, 6040, 6043, 6050, 6052, 6054, 6062, 6065, 6075, are respectively 2216, 2218, 2222, 2224, 2230, 2234, 2235, 2236, 2245, 2247, 2250 of the Radcliffe Catalogue, 1860.
6044, 6052. The Proper Motions have been determined in the formation of the present Catalogue.
6069. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
6076	Aquarii	8-7	4	86.42	3	22	36	12.510	+ 3.1628	- 0.0081		6076
6077	Aquarii	7-6	2	84.15	3	22	36	22.484	+ 3.1199	- 0.0053		6077
6078	Aquarii	7	1	89.71	3	22	37	3.177	+ 3.2660	- 0.0153		6078
6079	Aquarii	7-8	4	86.52	4	22	37	4.513	+ 3.0767	- 0.0026		6079
6080	Aquarii	7	4	90.16	3	22	37	10.841	+ 3.0753	- 0.0026		6080
6081	65 Aquarii	7-6	3	86.43	3	22	37	13.886	+ 3.1616	- 0.0080	- 0.0016	6081
6082	Aquarii	7-8	3	88.22	5	22	37	17.551	+ 3.1463	- 0.0071		6082
6083	67 Aquarii	7-6	1	84.47	3	22	37	29.567	+ 3.1348	- 0.0063	- 0.0029	6083
6084	66 Aquarii g^1	5	1	86.86	3	22	37	39.928	+ 3.2381	- 0.0134	- 0.0029	6084
6085	44 Pegasi η	3*	...	86.14	3	22	37	50.722	+ 2.8056	+ 0.0108	+ 0.0001	6085
6086	Aquarii	7	1	90.05	3	22	38	29.923	+ 3.1994	- 0.0107		6086
6087	Aquarii	8-7	3	85.83	3	22	39	20.429	+ 3.0830	- 0.0030		6087
6088	Aquarii	8-7	2	91.40	3	22	39	33.974	+ 3.1554	- 0.0077		6088
6089	Aquarii	8-7	2	88.68	3	22	39	35.725	+ 3.2056	- 0.0112		6089
6090	Aquarii	8	2	91.15	3	22	39	37.033	+ 3.1835	- 0.0096		6090
6091	Aquarii	7	2	81.75	3	22	40	26.321	+ 3.1671	- 0.0085		6091
6092	47 Pegasi λ	4*	...	89.08	3	22	41	13.946	+ 2.8814	+ 0.0083	+ 0.0031	6092
6093	Aquarii	8-7	3	91.73	3	22	41	25.726	+ 3.2075	- 0.0115		6093
6094	Aquarii	7-6	2	82.51	3	22	41	30.794	+ 3.2195	- 0.0125		6094
6095	Aquarii	8-7	3	89.03	3	22	41	31.335	+ 3.0983	- 0.0038		6095
6096	Aquarii	8-7	1	91.13	3	22	41	37.981	+ 3.1300	- 0.0060		6096
6097	68 Aquarii g^2	6*	...	84.50	3	22	41	38.537	+ 3.2373	- 0.0138	- 0.0095	6097
6098	Aquarii	8-9	3	91.74	3	22	41	42.250	+ 3.2238	- 0.0128		6098
6099	Aquarii	8-7	3	86.09	3	22	41	49.889	+ 3.0910	- 0.0034		6099
6100	69 Aquarii τ^1	6	1	84.56	4	22	41	52.244	+ 3.1892	- 0.0102	0.0000	6100
6101	Aquarii	7-8	3	83.79	3	22	42	9.380	+ 3.1099	- 0.0046	- 0.0151	6101
6102	Aquarii	7	3	83.79	3	22	42	9.660	+ 3.1099	- 0.0046	- 0.0151	6102
6103	Aquarii	7-8	2	86.84	3	22	42	37.415	+ 3.1402	- 0.0067		6103
6104	70 Aquarii	6-7	3	85.45	3	22	42	42.866	+ 3.1596	- 0.0081	+ 0.0022	6104
6105	Aquarii	7	2	89.37	3	22	43	18.907	+ 3.2650	- 0.0161		6105
6106	71 Aquarii τ^2	4*	...	83.81	3	22	43	45.936	+ 3.1827	- 0.0099	- 0.0030	6106
6107	Aquarii	8-7	2	89.70	3	22	44	0.512	+ 3.2384	- 0.0141		6107
6108	48 Pegasi μ	4	3	90.00	9	22	44	41.655	+ 2.8803	+ 0.0090	+ 0.0096	6108
6109	Aquarii	8-7	2	87.41	3	22	45	3.655	+ 3.0812	- 0.0027		6109
6110	32 Cephei ι	4-3*	...	89.72	3	22	45	45.850	+ 2.1336	+ 0.0227	- 0.0142	6110
6111	Aquarii	8-7	1	91.69	3	22	46	27.235	+ 3.2454	- 0.0150		6111
6112	Aquarii	8-9	3	92.03	4	22	46	35.618	+ 3.2031	- 0.0117		6112
6113	Aquarii	8-7	2	89.71	3	22	46	42.573	+ 3.2223	- 0.0132		6113
6114	73 Aquarii λ	4	5	86.26	26	22	46	52.470	+ 3.1326	- 0.0063	- 0.0016	6114
6115	Aquarii	7-6	3	84.19	3	22	46	58.297	+ 3.1512	- 0.0077		6115
6116	Aquarii	8-7	2	90.82	3	22	46	59.524	+ 3.0960	- 0.0036		6116
6117	15 Lacertæ	4-5	1	81.64	3	22	47	4.356	+ 2.6861	+ 0.0177	+ 0.0088	6117
6118	74 Aquarii	6-7	2	86.81	3	22	47	41.054	+ 3.1622	- 0.0085	+ 0.0002	6118
6119	Aquarii	7	1	89.41	3	22	47	45.064	+ 3.1202	- 0.0053		6119
6120	Aquarii	8-9	1	91.46	3	22	47	47.509	+ 3.1978	- 0.0113		6120

6082. Double: the companion precedes, and is of the 9-8 magnitude.

6086. A star, Schön. Z. - 15°, 6264, precedes, and is about 4' north.

6101, 6102. A star of the 8-9 magnitude, Piazzì XXII, 220, follows this double star by 3^s, and is about 1' south. The N.P.D.s given in the Radcliffe Catalogue, 1860, for 2259 and 2260 are those of Bradley 3011 (2nd star) and Piazzì XXII, 220, respectively.

6114. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
6076	86.42	3	100 42 0.49	-18.728	-0.157			188	44373	723			6076
6077	84.15	3	95 40 30.78	-18.732	-0.154				44382	727			6077
6078	89.71	3	112 14 0.26	-18.754	-0.161				44400		11842		6078
6079	86.52	4	90 30 13.47	-18.755	-0.151				44416	748			6079
6080	90.16	3	90 20 37.00	-18.758	-0.151				44421	754			6080
6081	86.43	3	100 40 42.73	-18.759	-0.155	-0.018	2998	198	44417	751			6081
6082	88.22	5	98 53 13.82	-18.762	-0.154			200		755			6082
6083	84.47	3	97 32 18.30	-18.768	-0.153	-0.023	3001	202	44433			3812	6083
6084	86.86	3	109 24 20.75	-18.773	-0.158	+0.046	3000	203	44436				6084
6085	82.37	11	60 21 13.39	-18.778	-0.135	+0.033	3003	205	44455			3813	6085
6086	90.05	3	105 15 10.67	-18.798	-0.154								6086
6087	85.83	3	91 18 36.92	-18.823	-0.147				44495	793			6087
6088	91.40	3	100 13 19.21	-18.831	-0.150			209	44500	796			6088
6089	88.68	3	106 9 37.34	-18.832	-0.153				44498				6089
6090	91.15	3	103 35 2.81	-18.832	-0.151				44501	797			6090
6091	81.75	3	101 44 37.94	-18.857	-0.149				44525	816			6091
6092	86.41	3	67 0 47.05	-18.880	-0.134	+0.004	3010	217	44562			3819	6092
6093	91.73	3	106 43 26.41	-18.886	-0.149				44546				6093
6094	82.51	3	108 7 49.16	-18.889	-0.150				44551				6094
6095	89.03	3	93 17 16.55	-18.889	-0.144				44559	832			6095
6096	91.13	3	97 18 36.44	-18.892	-0.145				44564				6096
6097	84.50	3	110 11 12.48	-18.893	-0.150	+0.203	3007	216	44557				6097
6098	91.74	3	108 39 42.61	-18.894	-0.149				44560				6098
6099	86.09	3	92 22 5.89	-18.898	-0.143				44572	839			6099
6100	84.56	4	104 38 9.63	-18.899	-0.147	+0.019	3009	218	44568	835			6100
6101	83.79	3	94 47 58.49	-18.907	-0.143	+0.274	3011	219	44590	848			6101
6102	83.79	3	94 47 57.56	-18.908	-0.143	+0.274	3011	219	44590	849			6102
6103	86.84	3	98 41 33.65	-18.921	-0.144					855			6103
6104	85.45	3	101 8 10.90	-18.923	-0.144	-0.027	3012	223	44609	857	11890	3821	6104
6105	89.37	3	113 40 25.38	-18.941	-0.148				44619		11892		6105
6106	83.81	3	104 10 23.39	-18.954	-0.144	+0.040	3013	225	44637	883	11897	3822	6106
6107	89.70	3	110 51 58.79	-18.961	-0.146				44645				6107
6108	87.17	5	65 58 45.06	-18.980	-0.127	+0.042	3016	231	44667		11903	3823	6108
6109	87.04	4	91 9 37.47	-18.991	-0.136				44670	907			6109
6110	82.35	10	24 22 41.11	-19.010	-0.091	+0.140	3022	238				3828	6110
6111	91.69	3	112 17 27.30	-19.029	-0.141								6111
6112	92.03	4	107 14 25.32	-19.034	-0.139								6112
6113	89.71	3	109 37 15.28	-19.037	-0.140				44720				6113
6114	82.51	7	98 9 52.54	-19.041	-0.135	-0.040	3019	235	44728	931	11922	3830	6114
6115	84.19	3	100 38 35.47	-19.044	-0.136				44734	933			6115
6116	90.82	3	93 12 36.73	-19.045	-0.133				44742	937			6116
6117	81.76	3	47 16 19.42	-19.046	-0.114	-0.007	3023	240	44758		11924	3831	6117
6118	86.81	3	102 12 4.38	-19.063	-0.135	+0.012	3021	239	44756	956	11928	3833	6118
6119	89.41	3	96 34 16.38	-19.065	-0.133				44763	958			6119
6120	91.46	3	106 49 31.17	-19.066	-0.136								6120

6097, 6106, 6110, 6114, 6117, are respectively 5824, 5836, 5855, 5856, 5861 of the Radcliffe Catalogue, 1845.
 6081, 6085, 6097, 6100, 6101, 6102, 6104, 6106, 6108, 6110, 6114, 6117, are respectively 2251, 2252, 2255, 2257, 2258, 2260, 2261, 2264, 2265, 2266, 2269, 2270 of the Radcliffe Catalogue, 1860.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
6121	Cephei	5-6	3	84.32	6	22	47	53.596	-0.0995	-0.2324	+0.0055	6121
6122	Aquarii	8-7	2	91.81	3	22	48	2.294	+3.1104	-0.0046		6122
6123	Aquarii	7-6	3	89.42	3	22	48	11.488	+3.2205	-0.0132		6123
6124	75 Aquarii	7	3	81.76	3	22	48	19.018	+3.1658	-0.0088	+0.0010	6124
6125	Piscium	8-9	1	92.09	3	22	48	36.352	+3.0737	-0.0020		6125
6126	Aquarii	8-9	1	92.08	3	22	48	38.852	+3.0842	-0.0027		6126
6127	76 Aquarii δ	4	1	85.82	3	22	48	48.592	+3.1928	-0.0110	-0.0051	6127
6128	78 Aquarii	6-7	4	83.55	4	22	48	50.407	+3.1284	-0.0060	-0.0039	6128
6129	77 Aquarii	6	1	89.14	3	22	48	56.219	+3.1961	-0.0113	-0.0177	6129
6130	Aquarii	7-6	2	88.65	3	22	48	58.148	+3.2451	-0.0154	+0.0030	6130
6131	Aquarii	9-8	2	91.83	3	22	49	9.903	+3.1439	-0.0072		6131
6132	Aquarii	6	2	84.44	3	22	49	28.614	+3.1120	-0.0047		6132
6133	Aquarii	8-9	3	92.27	4	22	49	34.560	+3.1758	-0.0097		6133
6134	Aquarii	6-7	4	85.82	3	22	49	36.143	+3.2254	-0.0138		6134
6135	Aquarii	8-7	1	92.12	3	22	49	38.661	+3.1169	-0.0051		6135
6136	23 Piscis Australis ... δ	5	1	87.14	3	22	49	51.078	+3.3354	-0.0237	-0.0009	6136
6137	Aquarii	8-9	1	91.47	3	22	50	40.552	+3.1835	-0.0104		6137
6138	Aquarii S	Var.	3	89.76	4	22	51	12.478	+3.2237	-0.0139		6138
6139	Aquarii	7	5	84.11	4	22	51	25.990	+3.0989	-0.0037		6139
6140	24 Piscis Australis ... α	1	1	83.79	8	22	51	34.157	+3.3014	-0.0209	+0.0232	6140
6141	Aquarii	6-7	1	83.79	3	22	51	35.455	+3.1096	-0.0045	-0.0044	6141
6142	Aquarii	8-7	3	86.16	3	22	51	43.159	+3.2221	-0.0138		6142
6143	Aquarii	8	2	91.79	3	22	52	17.900	+3.2011	-0.0120		6143
6144	Aquarii	6-7	1	82.83	3	22	52	35.567	+3.0927	-0.0032		6144
6145	Aquarii	8-9	1	92.26	4	22	52	40.199	+3.2472	-0.0161		6145
6146	Piscium	7-6	2	83.87	3	22	52	43.627	+3.0860	-0.0027		6146
6147	Aquarii	8	2	92.06	3	22	52	50.778	+3.2447	-0.0160		6147
6148	Aquarii	8-9	2	92.04	3	22	53	45.991	+3.1868	-0.0110		6148
6149	Aquarii	7-6	1	81.70	3	22	53	47.973	+3.1651	-0.0092	-0.0025	6149
6150	2 Piscium	5-6	2	86.18	3	22	53	49.139	+3.0700	-0.0014	+0.0039	6150
6151	Aquarii	8-7	1	89.04	3	22	54	9.142	+3.0926	-0.0031		6151
6152	Aquarii	9-8	2	91.44	3	22	54	21.854	+3.1497	-0.0079		6152
6153	Aquarii	8-7	2	88.40	3	22	54	28.415	+3.2334	-0.0153	-0.0670	6153
6154	Aquarii	7	2	85.49	4	22	54	35.168	+3.1353	-0.0066		6154
6155	3 Piscium	6-7	3	81.85	3	22	54	59.467	+3.0751	-0.0018	+0.0020	6155
6156	Aquarii	8	2	91.82	3	22	55	3.176	+3.2081	-0.0130		6156
6157	Cephei	5-6	1	89.16	3	22	55	15.142	-0.3344	-0.3192	+0.0560	6157
6158	Aquarii	7-6	2	87.19	3	22	55	28.016	+3.2331	-0.0154		6158
6159	Aquarii	7-8	3	85.13	3	22	55	36.311	+3.1709	-0.0098		6159
6160	81 Aquarii	6-7	2	85.84	4	22	55	40.564	+3.1222	-0.0055	-0.0030	6160
6161	Aquarii	8-9	1	92.07	3	22	55	48.445	+3.1122	-0.0047		6161
6162	Aquarii	6-7	3	82.39	3	22	55	50.132	+3.1068	-0.0043		6162
6163	Aquarii	8-7	2	91.81	3	22	56	7.752	+3.1010	-0.0038	+0.0280	6163
6164	Aquarii	7	2	85.82	3	22	56	46.310	+3.1988	-0.0124		6164
6165	Aquarii	8	1	91.79	3	22	56	46.318	+3.1490	-0.0080		6165

6133. A star of equal magnitude, Weisse's Bessel 1003, follows 32s, and is nearly on the same parallel.
6138. The limits of magnitude are 7.7 and below 12.5: the period is 280 days.
6147. A star of the 9-8 magnitude follows 1s, and is 1' north.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
6121	84°71	6	7 25 47.43	— 19.069	+ 0.013	— 0.043	3038	258				3835	6121
6122	91°81	3	95 14 31.85	— 19.073	— 0.132			242					6122
6123	89°42	3	109 45 37.23	— 19.077	— 0.137				44773				6123
6124	81°76	3	102 46 26.53	— 19.080	— 0.134	+ 0.035	3024	243	44779	966		3834	6124
6125	92°09	3	90 10 11.35	— 19.088	— 0.129					973			6125
6126	92°08	3	91 37 59.98	— 19.089	— 0.130				44790	974			6126
6127	85°82	3	106 24 20.13	— 19.094	— 0.134	+ 0.010	3025	245	44791		11935		6127
6128	83°55	4	97 47 20.57	— 19.094	— 0.131	+ 0.034	3027	246	44800	978		3837	6128
6129	89°14	3	106 51 17.30	— 19.097	— 0.134	+ 0.081	3026	247	44799				6129
6130	88°65	3	112 56 54.38	— 19.098	— 0.136	+ 0.210			44796		11936		6130
6131	91°83	3	99 57 37.11	— 19.103	— 0.131				44810	981			6131
6132	84°44	3	95 34 24.16	— 19.111	— 0.129			250	44825	991		3839	6132
6133	92°27	4	104 19 36.44	— 19.113	— 0.132								6133
6134	85°59	4	110 43 31.00	— 19.114	— 0.134				44823				6134
6135	92°12	3	96 16 33.38	— 19.116	— 0.129				44827	995			6135
6136	87°14	3	123 7 38.30	— 19.121	— 0.138	— 0.086	3029	251			11944	3840	6136
6137	91°47	3	105 34 35.72	— 19.143	— 0.130								6137
6138	89°76	4	110 55 48.08	— 19.156	— 0.131				44860				6138
6139	84°11	4	93 49 59.15	— 19.162	— 0.125				44872	1033			6139
6140	83°41	8	120 12 18.52	— 19.166	— 0.133	+ 0.159	3032	253	44866		11951	3844	6140
6141	83°79	3	95 23 50.60	— 19.166	— 0.125	— 0.005	3033	254	44880	1034			6141
6142	86°16	3	110 51 46.96	— 19.169	— 0.130				44877				6142
6143	91°79	3	108 16 51.78	— 19.184	— 0.128								6143
6144	82°83	3	92 58 59.24	— 19.192	— 0.122					1052			6144
6145	92°26	4	114 17 5.27	— 19.194	— 0.129								6145
6146	83°87	3	91 59 54.17	— 19.195	— 0.122				44904				6146
6147	92°06	3	114 2 15.67	— 19.199	— 0.128				44901				6147
6148	92°04	3	106 41 51.96	— 19.221	— 0.124								6148
6149	81°70	3	103 39 36.49	— 19.222	— 0.123	— 0.009		264	44937	1079	11964	3852	6149
6150	86°33	4	89 37 26.97	— 19.223	— 0.119	+ 0.074	3036	266	44946	1084			6150
6151	89°04	3	93 1 46.12	— 19.231	— 0.120			269		1090			6151
6152	91°44	3	101 33 15.38	— 19.236	— 0.121				44958	1092			6152
6153	88°40	3	113 6 57.26	— 19.239	— 0.125	— 0.060			44964		11973		6153
6154	85°49	4	99 28 9.99	— 19.242	— 0.120			272	44969	1099			6154
6155	81°85	3	90 24 16.63	— 19.251	— 0.117	— 0.019	3039	274	44983	1112		3855	6155
6156	91°82	3	109 56 14.41	— 19.253	— 0.123				44980				6156
6157	87°03	5	6 14 33.44	— 19.258	+ 0.022	— 0.014	3058	295				3860	6157
6158	87°19	3	113 22 50.09	— 19.263	— 0.123			277	45000		11978		6158
6159	85°13	3	104 51 38.60	— 19.266	— 0.120				45015	1123			6159
6160	85°84	4	97 39 4.93	— 19.269	— 0.118	+ 0.002	3040	278	45017	1128		3859	6160
6161	92°07	3	96 7 31.71	— 19.271	— 0.117								6161
6162	82°39	3	95 18 8.27	— 19.272	— 0.117			279	45022	1133			6162
6163	91°81	3	94 25 59.97	— 19.279	— 0.116	+ 0.260			45028				6163
6164	85°82	3	109 7 58.70	— 19.294	— 0.119				45047				6164
6165	91°79	3	101 51 23.24	— 19.294	— 0.117				45050	1156		3861	6165

6121, 6127, 6140, 6155, 6157, are respectively 5881, 5872, 5886, 5907, 5926 of the Radcliffe Catalogue, 1845.
 6127, 6129, 6140, 6149, 6150, 6155, 6157, are respectively 2271, 2272, 2274, 2278, 2279, 2280, 2283 of the Radcliffe Catalogue, 1860.
 6130, 6153, 6163. The Proper Motions have been determined in the formation of the present Catalogue.
 6149 is 3264 of Auwers' "Neue Reduction der Bradley'schen Beobachtungen."

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
6166	82 Aquarii	7-6	3	83.88	4	22	56	49.874	+ 3.1182	- 0.0053	- 0.0014	6166
6167	1 Andromedæ ... 0	4-3*	...	91.04	3	22	56	51.564	+ 2.7481	+ 0.0188	+ 0.0007	6167
6168	Aquarii	7-6	1	84.75	3	22	56	51.687	+ 3.2154	- 0.0139	- 0.0060	6168
6169	Piscium	8	1	92.04	3	22	57	30.303	+ 3.0789	- 0.0020	- 0.0070	6169
6170	Aquarii	7-6	3	81.73	3	22	58	13.249	+ 3.1059	- 0.0042		6170
6171	4 Piscium β	5-4*	...	86.79	3	22	58	16.742	+ 3.0524	+ 0.0002	- 0.0003	6171
6172	Aquarii	7-8	3	91.82	4	22	58	17.730	+ 3.2222	- 0.0148		6172
6173	53 Pegasi β	Var.	...	90.08	3	22	58	26.485	+ 2.8879	+ 0.0118	+ 0.0130	6173
6174	54 Pegasi α	2-3	5	86.57	22	22	59	16.876	+ 2.9812	+ 0.0057	+ 0.0028	6174
6175	Aquarii	6-7	2	82.78	3	22	59	23.487	+ 3.1838	- 0.0113	- 0.0071	6175
6176	83 Aquarii h^1	6-5	3	83.21	3	22	59	25.606	+ 3.1234	- 0.0057	+ 0.0071	6176
6177	Aquarii	7	2	84.50	3	22	59	32.131	+ 3.1824	- 0.0112	+ 0.0017	6177
6178	84 Aquarii h^2	7-8	5	87.41	3	22	59	35.037	+ 3.1236	- 0.0057	+ 0.0002	6178
6179	Aquarii	8-9	2	91.54	3	22	59	36.152	+ 3.1725	- 0.0102		6179
6180	Aquarii	8-7	3	91.76	3	23	0	4.362	+ 3.1719	- 0.0103		6180
6181	Aquarii	7	3	89.07	3	23	0	8.687	+ 3.1398	- 0.0073		6181
6182	85 Aquarii h^3	7	2	89.06	3	23	0	9.095	+ 3.1243	- 0.0058	- 0.0004	6182
6183	Aquarii	7-8	3	86.18	3	23	0	32.071	+ 3.1342	- 0.0067		6183
6184	86 Aquarii c^1	5	1	82.74	3	23	0	46.183	+ 3.2270	- 0.0158	+ 0.0039	6184
6185	Aquarii	8-9	1	91.71	3	23	0	47.177	+ 3.1972	- 0.0128		6185
6186	Aquarii	8-9	2	90.79	3	23	1	12.545	+ 3.1528	- 0.0086	- 0.0010	6186
6187	Aquarii	8-7	2	89.08	3	23	1	33.198	+ 3.1284	- 0.0063		6187
6188	Piscium	7	2	84.86	3	23	2	7.330	+ 3.0777	- 0.0016		6188
6189	Aquarii	8-7	2	91.77	3	23	2	30.148	+ 3.1762	- 0.0109		6189
6190	Piscium	7	3	85.80	3	23	2	46.741	+ 3.0788	- 0.0018	+ 0.0030	6190
6191	Aquarii	8	1	91.50	3	23	2	53.432	+ 3.1883	- 0.0122		6191
6192	Aquarii	8	1	91.51	3	23	3	24.234	+ 3.0899	- 0.0028		6192
6193	88 Aquarii c^2	4*	...	81.71	3	23	3	34.665	+ 3.2026	- 0.0139	+ 0.0014	6193
6194	Aquarii	8-9	2	91.52	3	23	3	56.269	+ 3.0983	- 0.0035		6194
6195	89 Aquarii c^3	5-6	3	81.79	5	23	4	2.140	+ 3.2101	- 0.0147	- 0.0045	6195
6196	Aquarii	7-6	2	84.08	3	23	4	2.148	+ 3.1598	- 0.0095		6196
6197	Aquarii	8-7	2	91.48	3	23	4	40.768	+ 3.1197	- 0.0055	+ 0.0040	6197
6198	Aquarii	7	4	83.69	5	23	4	57.858	+ 3.1090	- 0.0045		6198
6199	Aquarii	8-7	2	89.38	3	23	6	14.126	+ 3.1416	- 0.0079		6199
6200	Aquarii	8	2	89.38	3	23	6	14.423	+ 3.1416	- 0.0079		6200
6201	Aquarii	8-9	2	91.80	3	23	7	10.811	+ 3.2130	- 0.0157		6201
6202	Aquarii	7	3	85.10	3	23	7	14.629	+ 3.1272	- 0.0064		6202
6203	Piscium	7-8	3	90.79	3	23	7	22.014	+ 3.0755	- 0.0013		6203
6204	Aquarii	8-7	2	92.07	3	23	7	27.438	+ 3.1769	- 0.0117		6204
6205	7 Andromedæ	5*	...	88.11	3	23	7	30.660	+ 2.7258	+ 0.0249	+ 0.0093	6205
6206	Aquarii	7-8	4	85.85	3	23	8	2.392	+ 3.1474	- 0.0086		6206
6207	Aquarii	8	1	89.43	3	23	8	17.825	+ 3.1831	- 0.0126		6207
6208	Piscium	7-6	3	81.82	3	23	8	26.889	+ 3.0893	- 0.0026		6208
6209	Aquarii	8-7	2	91.78	3	23	8	29.624	+ 3.1665	- 0.0108		6209
6210	90 Aquarii ϕ	4-5	2	82.79	3	23	8	37.458	+ 3.1071	- 0.0044	+ 0.0009	6210

6173. The limits of magnitude are 2.2 and 2.7 : the period is about 40 days.
 6183. The N.P.D. of this star in Weisse's Bessel is 1' too small.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
6166	83.88	4	97 9 51.43	- 19.296	- 0.116	+ 0.032	3042	281	45055	1157		3862	6166
6167	86.07	3	48 15 54.71	- 19.297	- 0.101	0.000	3043	284	45075			3863	6167
6168	84.75	3	111 27 30.24	- 19.297	- 0.119	+ 0.160			45049				6168
6169	92.04	3	91 0 58.84	- 19.312	- 0.113	+ 0.170			45080	1175			6169
6170	81.74	3	95 23 17.71	- 19.329	- 0.112				45102				6170
6171	86.79	3	86 46 19.54	- 19.330	- 0.110	+ 0.015	3046	287	45105	1188	12001	3866	6171
6172	91.82	3	112 49 34.00	- 19.331	- 0.117				45097				6172
6173	82.89	7	62 30 49.38	- 19.334	- 0.104	- 0.133	3047	288	45123			3867	6173
6174	82.33	8	75 23 10.84	- 19.354	- 0.106	+ 0.030	3050	290	45148	1216	12006	3869	6174
6175	82.78	3	107 40 16.43	- 19.356	- 0.113	+ 0.039			45137				6175
6176	83.21	3	98 17 13.68	- 19.357	- 0.111	- 0.022	3048	289	45140		12008	3870	6176
6177	84.50	3	107 29 31.01	- 19.359	- 0.113	0.000			45145				6177
6178	87.41	3	98 20 51.77	- 19.360	- 0.110	- 0.011	3049	291	45156				6178
6179	91.54	3	106 1 23.78	- 19.361	- 0.112								6179
6180	91.76	3	106 2 46.53	- 19.371	- 0.111								6180
6181	89.07	3	101 1 51.90	- 19.373	- 0.110				45169	1232		3872	6181
6182	89.06	3	98 31 48.59	- 19.373	- 0.109	- 0.003	3051	294	45170	1233			6182
6183	86.18	3	100 11 53.06	- 19.382	- 0.109					1241	12012		6183
6184	82.74	3	114 20 13.43	- 19.387	- 0.112	- 0.002	3053	299	45184		12016	3873	6184
6185	91.71	3	110 3 8.45	- 19.387	- 0.111								6185
6186	90.79	3	103 19 17.60	- 19.397	- 0.108	+ 0.140			45197	1249		3874	6186
6187	89.08	3	99 24 30.69	- 19.404	- 0.107				45207	1258			6187
6188	84.86	3	90 53 27.32	- 19.417	- 0.104				45233	1269			6188
6189	91.77	3	107 20 38.47	- 19.425	- 0.107				45246				6189
6190	85.80	3	91 5 38.72	- 19.432	- 0.103	+ 0.060			45265	1281			6190
6191	91.50	3	109 20 48.36	- 19.434	- 0.106				45262				6191
6192	91.51	3	93 2 54.91	- 19.445	- 0.102				45297	4			6192
6193	81.71	3	111 46 9.04	- 19.449	- 0.105	- 0.054	3062	313	45296		12032	3883	6193
6194	91.52	3	94 33 30.36	- 19.456	- 0.101					13			6194
6195	81.79	5	113 3 12.38	- 19.458	- 0.105	+ 0.009	3065	317	45310		12037	3884	6195
6196	84.08	3	105 6 22.39	- 19.458	- 0.103				45311				6196
6197	91.48	3	98 24 16.03	- 19.472	- 0.100	+ 0.160				29			6197
6198	83.69	5	96 33 24.87	- 19.477	- 0.099			2	45340				6198
6199	89.38	3	102 31 48.52	- 19.504	- 0.098				45379	57		3888	6199
6200	89.38	3	102 31 49.48	- 19.504	- 0.098				45379	57		3890	6200
6201	91.80	3	114 42 14.04	- 19.523	- 0.099				45408				6201
6202	85.10	3	100 10 5.11	- 19.525	- 0.096			12	45413	76	12053		6202
6203	90.79	3	90 34 2.12	- 19.526	- 0.094				45420	80			6203
6204	92.07	3	108 58 3.60	- 19.528	- 0.097				45419				6204
6205	85.47	3	41 11 40.61	- 19.529	- 0.082	- 0.091	3075	14	45447		12056	3892	6205
6206	85.85	3	103 59 33.39	- 19.540	- 0.095				45443	97		3894	6206
6207	89.43	3	110 17 39.91	- 19.545	- 0.095								6207
6208	81.82	3	93 13 58.27	- 19.548	- 0.092			17	45468	110			6208
6209	91.78	3	107 30 27.34	- 19.549	- 0.095				45464				6209
6210	82.79	3	96 38 30.42	- 19.551	- 0.092	+ 0.184	3076	19	45475	116	12060	3895	6210

6167, 6171, 6174, 6205, 6210, are respectively 5919, 5930, 5941, 5995, 6001 of the Radcliffe Catalogue, 1845.
 6171, 6173, 6174, 6176, 6198, 6210, are respectively 2284, 2285, 2286, 2287, 2296, 2303 of the Radcliffe Catalogue, 1860.
 6168, 6169, 6186, 6190, 6197. The Proper Motions have been determined in the formation of the present Catalogue.
 6175, 6177, are respectively 3265, 3266 of Auwers' "Neue Reduction der Bradley'schen Beobachtungen."

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
6211	Aquarii	7-6	3	81.71	3	23 8 56.090	+ 3.1315	- 0.0069		6211
6212	Aquarii	8-9	1	92.11	3	23 8 56.221	+ 3.1519	- 0.0092		6212
6213	Aquarii	8-7	2	89.41	3	23 9 57.10	+ 3.1616	- 0.0103		6213
6214	Aquarii	8-7	3	86.46	3	23 9 39.505	+ 3.0987	- 0.0035		6214
6215	Aquarii	6-5	2	84.10	4	23 9 54.235	+ 3.0933	- 0.0030		6215
6216	Aquarii	7-8	3	87.52	3	23 10 6.739	+ 3.1433	- 0.0084		6216
6217	91 Aquarii ψ^1	4-5	3	82.88	3	23 10 7.619	+ 3.1218	- 0.0060	+ 0.0237	6217
6218	Piscium	7	...	90.03	3	23 10 19.109	+ 3.0827	- 0.0018		6218
6219	Aquarii	8-7	2	90.82	3	23 10 59.664	+ 3.1860	- 0.0134		6219
6220	92 Aquarii χ	6-5	3	84.14	4	23 11 8.806	+ 3.1139	- 0.0051	- 0.0031	6220
6221	Aquarii	7	...	89.77	3	23 11 10.317	+ 3.1725	- 0.0119		6221
6222	Aquarii	6-7	...	84.13	3	23 11 14.228	+ 3.2292	- 0.0187		6222
6223	Aquarii	7-6	3	82.48	3	23 11 16.124	+ 3.1110	- 0.0048		6223
6224	Aquarii	8-9	3	91.79	3	23 11 23.262	+ 3.1449	- 0.0088	- 0.0350	6224
6225	6 Piscium γ	4-3	4	86.92	25	23 11 27.749	+ 3.0593	+ 0.0006	+ 0.0487	6225
6226	Aquarii	7-6	2	90.09	3	23 11 41.515	+ 3.1568	- 0.0101		6226
6227	Aquarii	7-6	1	88.46	3	23 11 55.532	+ 3.1333	- 0.0074		6227
6228	93 Aquarii ψ^2	4-5	2	84.45	3	23 12 11.072	+ 3.1202	- 0.0059	+ 0.0004	6228
6229	Aquarii	7-6	2	91.05	3	23 12 11.096	+ 3.1436	- 0.0087		6229
6230	8 Andromedæ	5-6*	...	84.36	3	23 12 38.666	+ 2.7635	+ 0.0257	+ 0.0021	6230
6231	Aquarii	7-8	...	90.09	3	23 12 41.413	+ 3.1692	- 0.0117		6231
6232	Piscium	9-8	2	91.78	3	23 12 42.261	+ 3.0729	- 0.0007		6232
6233	95 Aquarii ψ^3	5	2	85.16	4	23 13 14.336	+ 3.1213	- 0.0062	+ 0.0015	6233
6234	Aquarii	8-7	4	90.75	3	23 13 19.150	+ 3.1402	- 0.0084	+ 0.0184	6234
6235	94 Aquarii	6-5	3	86.89	3	23 13 19.442	+ 3.1402	- 0.0084	+ 0.0184	6235
6236	Aquarii	6-7	9	85.88	3	23 13 36.692	+ 3.1633	- 0.0113		6236
6237	96 Aquarii	6-5	1	84.64	5	23 13 41.676	+ 3.0994	- 0.0037	+ 0.0111	6237
6238	Aquarii	7-8	2	89.38	3	23 13 54.205	+ 3.1510	- 0.0098		6238
6239	Aquarii	7-6	3	85.21	3	23 14 33.608	+ 3.0933	- 0.0029	+ 0.0170	6239
6240	Aquarii	8	2	92.28	4	23 14 34.090	+ 3.1430	- 0.0089		6240
6241	Aquarii	6-7	3	81.71	3	23 15 0.626	+ 3.1022	- 0.0040		6241
6242	Aquarii	7-8	3	86.46	3	23 15 30.371	+ 3.1362	- 0.0081		6242
6243	Aquarii	7-6	3	82.23	3	23 15 41.356	+ 3.0962	- 0.0033		6243
6244	Aquarii	8-7	2	91.13	3	23 15 42.230	+ 3.1524	- 0.0103		6244
6245	Aquarii	8	2	91.79	3	23 16 7.382	+ 3.1315	- 0.0076		6245
6246	97 Aquarii	6-5	2	83.65	4	23 16 53.084	+ 3.1425	- 0.0092	+ 0.0054	6246
6247	98 Aquarii δ^1	5-4*	...	85.18	3	23 17 11.578	+ 3.1663	- 0.0123	- 0.0086	6247
6248	Aquarii	8-7	3	91.50	3	23 17 18.375	+ 3.1223	- 0.0066	+ 0.0270	6248
6249	Piscium	8-9	2	91.85	3	23 17 43.905	+ 3.0791	- 0.0012		6249
6250	Piscium	6-7	2	82.71	3	23 17 53.294	+ 3.0738	- 0.0006		6250
6251	Aquarii	8-9	4	84.84	4	23 18 2.963	+ 3.1113	- 0.0052		6251
6252	Aquarii	7-8	5	84.86	5	23 18 3.328	+ 3.1113	- 0.0052		6252
6253	Aquarii	8-7	3	91.83	3	23 18 6.161	+ 3.1533	- 0.0108		6253
6254	Aquarii	7-6	5	81.82	3	23 18 16.300	+ 3.1722	- 0.0134	- 0.0060	6254
6255	Aquarii	7-6	4	81.72	3	23 18 19.803	+ 3.1571	- 0.0114		6255

6232. Several faint stars in the field : the brightest was observed.
 6236. Reddish star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
6211	81°71	3	101 17 11.69	— 19.557	— 0.093				45490	123		3896	6211
6212	92°11	3	105 2 42.36	— 19.557	— 0.093				45487				6212
6213	89°41	3	106 50 14.32	— 19.561	— 0.093				45492				6213
6214	86°46	3	95 7 56.63	— 19.571	— 0.090					136			6214
6215	84°10	4	94 5 44.79	— 19.576	— 0.089				45521	140		3900	6215
6216	87°52	3	103 47 0.20	— 19.580	— 0.091				45524	146			6216
6217	82°88	3	99 41 12.53	— 19.580	— 0.090	+ 0.005	3078	22	45526	147		3901	6217
6218	90°03	3	92 1 24.89	— 19.583	— 0.088				45534				6218
6219	90°82	3	111 48 6.71	— 19.597	— 0.090				45547				6219
6220	84°14	4	98 19 34.45	— 19.599	— 0.088	+ 0.003	3081	30	45558	168			6220
6221	89°77	3	109 28 23.49	— 19.600	— 0.089				45555				6221
6222	84°13	3	119 2 7.52	— 19.601	— 0.091			29	45553		12084		6222
6223	82°48	3	97 45 44.87	— 19.602	— 0.087				45562	171			6223
6224	91°79	3	104 24 55.62	— 19.603	— 0.088	+ 1.230				175			6224
6225	83°67	10	87 19 6.78	— 19.605	— 0.085	— 0.017	3082	31	45565	176	12088	3904	6225
6226	90°09	3	106 46 22.43	— 19.609	— 0.088				45577				6226
6227	88°46	3	102 18 49.84	— 19.613	— 0.087				45582	185		3906	6227
6228	84°45	3	99 46 58.09	— 19.618	— 0.086	+ 0.015	3083	33	45592	196	12094		6228
6229	91°05	3	104 23 44.94	— 19.618	— 0.087				45591	194			6229
6230	86°08	4	41 35 8.62	— 19.626	— 0.074	+ 0.012	3089	39	45626			3908	6230
6231	90°09	3	109 26 35.45	— 19.627	— 0.086				45610				6231
6232	91°78	3	90 4 35.12	— 19.627	— 0.083					212			6232
6233	86°27	3	100 12 42.68	— 19.637	— 0.084	— 0.008	3087	40	45628	226	12101	3911	6233
6234	89°78	4	104 3 13.14	— 19.638	— 0.084	+ 0.094		41	45631				6234
6235	86°89	3	104 3 25.78	— 19.638	— 0.084	+ 0.094	3088	42	45632		12102	3913	6235
6236	85°88	3	108 40 38.38	— 19.644	— 0.084				45647				6236
6237	84°64	5	95 43 30.22	— 19.645	— 0.082	— 0.002	3090	46	45656	233		3914	6237
6238	89°38	3	106 23 0.69	— 19.649	— 0.083								6238
6239	85°21	3	94 31 4.31	— 19.660	— 0.080	+ 0.120			45680	249			6239
6240	92°28	4	104 59 53.05	— 19.660	— 0.082								6240
6241	81°71	3	96 30 29.36	— 19.668	— 0.080				45698				6241
6242	86°46	3	103 52 19.38	— 19.676	— 0.080				45719	271			6242
6243	82°23	3	95 16 26.57	— 19.679	— 0.078					280			6243
6244	91°13	3	107 17 28.15	— 19.679	— 0.080				45731				6244
6245	91°79	3	103 3 6.38	— 19.687	— 0.078				45744				6245
6246	83°65	4	105 38 34.83	— 19.699	— 0.077	— 0.020	3102	61	45761		12118	3923	6246
6247	85°18	3	110 42 2.99	— 19.704	— 0.077	+ 0.090	3105	63	45773		12121		6247
6248	91°50	3	101 22 32.41	— 19.706	— 0.076	— 0.220		64	45777	309		3924	6248
6249	91°85	3	91 33 1.01	— 19.713	— 0.074								6249
6250	82°71	3	90 18 44.95	— 19.716	— 0.073			68	45801	320		3928	6250
6251	84°81	2	99 3 48.81	— 19.718	— 0.074					322			6251
6252	85°11	4	99 3 46.87	— 19.718	— 0.074			69		323			6252
6253	91°83	3	108 23 36.83	— 19.719	— 0.075				45804				6253
6254	81°82	3	112 22 34.21	— 19.722	— 0.075	+ 0.110		70	45807		12130		6254
6255	81°72	3	109 17 36.77	— 19.722	— 0.075								6255

6225, 6230, 6233, are respectively 6012, 6022, 6024 of the Radcliffe Catalogue, 1845.
 6217, 6225, 6228, 6233, 6234, 6235, 6237, 6251, 6252, are respectively 2304, 2306, 2308, 2309, 2311, 2312, 2313, 2322, 2323 of the Radcliffe Catalogue, 1860.
 6224, 6239, 6248, 6254. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
6256	Piscium	7-8	1	88.10	3	23 18 58.667	+ 3.0822	- 0.0016		6256
6257	Aquarii	8-7	3	91.69	3	23 19 40.460	+ 3.1336	- 0.0083		6257
6258	4 Cassiopeiae	6*	...	90.78	3	23 19 57.076	+ 2.6412	+ 0.0391	+ 0.0010	6258
6259	99 Aquarii δ^2	5-4	1	84.85	3	23 20 16.006	+ 3.1622	- 0.0125	- 0.0052	6259
6260	Aquarii	7	4	88.37	5	23 20 47.439	+ 3.1661	- 0.0133		6260
6261	Aquarii	7	2	89.72	3	23 20 52.965	+ 3.1012	- 0.0041		6261
6262	Aquarii	7-8	3	89.12	3	23 21 12.342	+ 3.1365	- 0.0089		6262
6263	8 Piscium κ	5-4	12	86.26	39	23 21 17.596	+ 3.0699	0.0000	+ 0.0041	6263
6264	Aquarii	7	2	90.39	3	23 21 34.318	+ 3.0851	- 0.0019	+ 0.0100	6264
6265	Aquarii	7	...	90.42	3	23 21 42.679	+ 3.1260	- 0.0076		6265
6266	Aquarii	7	2	90.43	3	23 22 11.979	+ 3.1350	- 0.0090		6266
6267	Aquarii	7-6	1	84.61	5	23 22 21.630	+ 3.1192	- 0.0067		6267
6268	10 Piscium θ	4-5*	...	87.89	3	23 22 23.226	+ 3.0504	+ 0.0028	- 0.0104	6268
6269	Aquarii	7	5	85.50	3	23 23 6.464	+ 3.0950	- 0.0033		6269
6270	Aquarii	6-7	4	81.75	3	23 23 19.212	+ 3.1096	- 0.0054		6270
6271	11 Piscium	6-7	3	84.39	4	23 23 48.181	+ 3.0813	- 0.0013	- 0.0034	6271
6272	Piscium	6-7	3	86.00	5	23 23 50.821	+ 3.0914	- 0.0028	+ 0.0120	6272
6273	12 Piscium	7	1	82.90	3	23 23 51.776	+ 3.0785	- 0.0009	- 0.0023	6273
6274	Pegasi	9-8	2	90.41	3	23 24 22.818	+ 2.9611	+ 0.0146		6274
6275	Piscium	7-8	3	91.81	3	23 25 2.642	+ 3.0716	0.0000		6275
6276	Aquarii	8	1	91.76	3	23 25 9.671	+ 3.1328	- 0.0092		6276
6277	Aquarii	6-7	3	82.45	3	23 25 20.718	+ 3.0968	- 0.0037		6277
6278	Pegasi	9	2	90.85	3	23 25 28.031	+ 2.9695	+ 0.0142		6278
6279	Piscium	7-6	1	84.13	3	23 25 50.568	+ 3.0888	- 0.0024	+ 0.0126	6279
6280	100 Aquarii δ^3	7-6	8	83.63	5	23 25 55.959	+ 3.1524	- 0.0126	- 0.0003	6280
6281	Aquarii	7-8	4	86.84	3	23 26 2.671	+ 3.1516	- 0.0125	- 0.0053	6281
6282	Aquarii	8	2	89.10	3	23 26 12.289	+ 3.1271	- 0.0085		6282
6283	Pegasi	6-7	1	89.82	3	23 26 15.886	+ 2.9691	+ 0.0146		6283
6284	13 Piscium	7-6	3	85.80	3	23 26 18.860	+ 3.0783	- 0.0009	- 0.0014	6284
6285	Aquarii	7-6	1	89.82	3	23 26 30.388	+ 3.1144	- 0.0065		6285
6286	Aquarii	6-7	1	85.73	3	23 26 43.846	+ 3.1122	- 0.0061		6286
6287	Aquarii	8-7	...	90.78	3	23 26 51.824	+ 3.1359	- 0.0101		6287
6288	Piscium	7	1	84.54	3	23 27 16.104	+ 3.0846	- 0.0018		6288
6289	Aquarii	8	3	91.15	3	23 27 30.789	+ 3.0957	- 0.0036		6289
6290	101 Aquarii δ^4	5	2	86.25	3	23 27 31.206	+ 3.1470	- 0.0122	- 0.0043	6290
6291	Aquarii	7-6	1	89.09	3	23 27 31.545	+ 3.1168	- 0.0070		6291
6292	Aquarii	8-9	2	91.41	3	23 27 45.917	+ 3.1398	- 0.0110		6292
6293	Piscium	7	2	81.73	3	23 27 48.704	+ 3.0889	- 0.0025		6293
6294	Ursæ Minoris	5-6	1	84.34	6	23 27 49.510	- 0.1734	- 0.5696	+ 0.0856	6294
6295	Aquarii	8-9	3	91.86	3	23 28 27.795	+ 3.1189	- 0.0076		6295
6296	14 Piscium	6-7	3	84.64	4	23 28 29.651	+ 3.0784	- 0.0009	+ 0.0060	6296
6297	Aquarii	6-7	3	82.20	3	23 29 5.887	+ 3.1235	- 0.0085		6297
6298	Piscium	7	5	86.36	4	23 29 34.958	+ 3.0863	- 0.0021		6298
6299	Aquarii	8	1	92.10	3	23 29 44.471	+ 3.1270	- 0.0093		6299
6300	Aquarii	7-8	...	91.49	3	23 29 46.016	+ 3.1072	- 0.0058		6300

6259. A star of the 8-9 magnitude precedes 10^s , and is about 2' north.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. " " "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
6256	88.10	3	92 20 40.00	-19.732	-0.072				45823	343			6256
6257	91.69	3	104 37 8.92	-19.743	-0.072				45841	355			6257
6258	85.16	3	28 19 15.27	-19.747	-0.059	+0.021	3115	81				3932	6258
6259	84.85	3	111 14 40.97	-19.752	-0.071	+0.054	3113	78			12139	3933	6259
6260	88.37	5	112 20 44.62	-19.760	-0.070			82	45868		12146		6260
6261	89.72	3	97 12 42.94	-19.762	-0.068				45877	376			6261
6262	89.12	3	105 51 9.32	-19.767	-0.069				45892				6262
6263	83.97	15	89 20 47.14	-19.768	-0.067	+0.102	3116	83	45895	388	12151	3937	6263
6264	90.39	3	93 14 22.60	-19.772	-0.067	+0.110			45903	390			6264
6265	90.42	3	103 32 4.19	-19.774	-0.067			85	45907	394	12153		6265
6266	90.43	3	105 54 16.85	-19.781	-0.067				45928				6266
6267	84.61	5	102 3 15.99	-19.783	-0.066			90	45937	402		3940	6267
6268	87.89	3	84 13 30.93	-19.784	-0.064	+0.045	3120	92	45944	407	12158		6268
6269	85.50	3	95 59 40.20	-19.794	-0.064				45961	422			6269
6270	81.72	4	99 52 16.14	-19.797	-0.064				45965	427		3942	6270
6271	84.39	4	92 23 48.40	-19.803	-0.062	-0.008	3123	95	45981	437		3946	6271
6272	86.00	5	95 7 54.80	-19.804	-0.062	+0.250		96	45980	438		3947	6272
6273	82.90	3	91 38 25.82	-19.804	-0.062	+0.002	3124	97		439			6273
6274	90.41	3	61 42 35.16	-19.812	-0.058				46006				6274
6275	91.81	3	89 43 44.35	-19.820	-0.060				46022	459			6275
6276	91.76	3	106 35 17.80	-19.822	-0.061				46023				6276
6277	82.45	3	96 53 36.97	-19.824	-0.060				46034	467			6277
6278	90.85	3	62 49 26.82	-19.826	-0.057								6278
6279	84.13	3	94 41 17.02	-19.831	-0.058	+0.206		103	46056	478			6279
6280	83.63	5	111 58 34.19	-19.832	-0.060	-0.005	3126	104	46059				6280
6281	86.84	3	111 51 21.87	-19.834	-0.059	+0.040	3127	105	46066				6281
6282	89.10	3	105 32 35.46	-19.835	-0.059				46074				6282
6283	89.82	3	62 12 10.67	-19.836	-0.055				46084				6283
6284	85.80	3	91 41 36.45	-19.837	-0.057	-0.029	3129	108	46080	490			6284
6285	89.82	3	102 9 4.70	-19.839	-0.058			109	46085		12188		6285
6286	85.73	3	101 36 21.69	-19.842	-0.057				46090	497		3953	6286
6287	90.78	3	108 13 10.19	-19.844	-0.057								6287
6288	84.54	3	93 37 25.18	-19.849	-0.056				46117	511			6288
6289	91.15	3	97 0 30.03	-19.852	-0.055				46129	518			6289
6290	86.25	3	111 31 19.72	-19.852	-0.056	-0.014	3130	114	46124			3955	6290
6291	89.09	3	103 12 56.87	-19.852	-0.056				46128	519			6291
6292	91.41	3	109 45 10.59	-19.855	-0.056								6292
6293	81.73	3	95 0 30.00	-19.855	-0.055				46137				6293
6294	84.82	6	3 17 57.71	-19.855	+0.012	-0.003	3147	135				3956	6294
6295	91.86	3	104 11 41.37	-19.863	-0.054				46159				6295
6296	84.64	4	91 51 18.01	-19.864	-0.053	+0.004	3133	116	46160			3958	6296
6297	82.20	3	105 51 4.09	-19.871	-0.053			122	46177			3960	6297
6298	86.36	4	94 27 46.56	-19.877	-0.051				46194	566			6298
6299	92.10	3	107 11 27.69	-19.878	-0.052				46199				6299
6300	91.49	3	101 9 47.53	-19.879	-0.051					571		3962	6300

6258, 6263, 6294, are respectively 6069, 6074, 6119 of the Radcliffe Catalogue, 1845.
 6263, 6272, 6279, 6294, are respectively 2329, 2330, 2332, 2337 of the Radcliffe Catalogue, 1860.
 6264, 6272. The Proper Motions have been determined in the formation of the present Catalogue.
 6279. The Proper Motions have been taken from Bonn Obs., Vol. VII.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
6301	Aquarii	7-6	2	85.79	5	23	29	51.541	+ 3.0974	- 0.0040		6301
6302	Aquarii	7-6	...	88.77	4	23	29	51.843	+ 3.1661	- 0.0167	+ 0.0060	6302
6303	Aquarii	7-8	2	90.40	3	23	29	58.875	+ 3.1223	- 0.0085		6303
6304	Aquarii	7	2	86.87	3	23	30	19.568	+ 3.1010	- 0.0047		6304
6305	Pegasi	7-8	...	90.51	3	23	30	26.392	+ 2.9839	+ 0.0146		6305
6306	Pegasi	9	3	91.48	3	23	30	49.513	+ 2.9812	+ 0.0153		6306
6307	Aquarii	6-5	3	81.81	3	23	31	57.328	+ 3.1122	- 0.0071		6307
6308	Pegasi	10	4	91.34	4	23	31	58.909	+ 2.9844	+ 0.0155		6308
6309	Aquarii	7-6	2	83.84	3	23	32	19.789	+ 3.1178	- 0.0083	+ 0.0030	6309
6310	Piscium	8-7	2	90.37	3	23	32	27.857	+ 3.0779	- 0.0006		6310
6311	Aquarii	9-8	2	91.77	3	23	32	31.289	+ 3.0847	- 0.0020		6311
6312	Aquarii	7-6	1	84.35	4	23	32	31.526	+ 3.0985	- 0.0046		6312
6313	17 Andromedæ	4*	...	89.43	3	23	32	44.475	+ 2.9263	+ 0.0251	+ 0.0014	6313
6314	Aquarii	8	1	91.56	3	23	32	57.378	+ 3.1344	- 0.0118		6314
6315	Aquarii	8	3	91.08	3	23	33	31.385	+ 3.1365	- 0.0124		6315
6316	102 Aquarii	ω^1	5	81.88	3	23	34	4.718	+ 3.1124	- 0.0077	+ 0.0024	6316
6317	Piscium	8-7	3	85.80	3	23	34	11.038	+ 3.0887	- 0.0028		6317
6318	17 Piscium	ι	4-5	86.62	38	23	34	17.541	+ 3.0593	+ 0.0030	+ 0.0234	6318
6319	35 Cephei	γ	4-3	82.57	7	23	34	50.008	+ 2.4370	+ 0.0762	- 0.0199	6319
6320	Aquarii	8	2	91.76	3	23	34	52.314	+ 3.1246	- 0.0105	+ 0.0200	6320
6321	Piscium	8-7	...	91.80	3	23	35	2.741	+ 3.0730	+ 0.0004		6321
6322	Aquarii	7	2	84.52	3	23	35	8.065	+ 3.0942	- 0.0040		6322
6323	Aquarii	6-7	2	85.77	3	23	35	27.223	+ 3.1036	- 0.0060		6323
6324	103 Aquarii	A^1	6-5	84.20	3	23	35	52.101	+ 3.1199	- 0.0098	- 0.0042	6324
6325	Aquarii	8-7	2	90.79	3	23	36	2.554	+ 3.1243	- 0.0108		6325
6326	104 Aquarii	A^2	5	82.08	3	23	36	3.087	+ 3.1190	- 0.0097	+ 0.0010	6326
6327	Aquarii	8-7	2	92.13	3	23	36	13.037	+ 3.0885	- 0.0030	- 0.0100	6327
6328	18 Piscium	λ	5	82.77	3	23	36	25.955	+ 3.0697	+ 0.0012	- 0.0107	6328
6329	Piscium	8	3	92.11	3	23	36	42.940	+ 3.0775	- 0.0005		6329
6330	Aquarii	6-5	2	84.21	3	23	36	45.805	+ 3.1114	- 0.0082		6330
6331	105 Aquarii	ω^2	5-4	85.82	4	23	37	0.941	+ 3.1087	- 0.0076	+ 0.0053	6331
6332	Aquarii	7-8	2	89.75	3	23	37	7.135	+ 3.1007	- 0.0057		6332
6333	Aquarii	8-9	2	92.08	3	23	37	35.164	+ 3.1245	- 0.0116		6333
6334	Aquarii	9-8	2	91.81	3	23	37	56.185	+ 3.0958	- 0.0048		6334
6335	Aquarii	R	Var.	84.22	3	23	38	7.705	+ 3.1088	- 0.0080		6335
6336	78 Pegasi	5*	...	90.12	3	23	38	27.442	+ 3.0036	+ 0.0162	+ 0.0053	6336
6337	106 Aquarii	i^1	6-5	82.19	3	23	38	29.649	+ 3.1153	- 0.0098	+ 0.0006	6337
6338	Aquarii	6-7	...	80.84	4	23	38	45.434	+ 3.1352	- 0.0150		6338
6339	Piscium	9	2	92.09	4	23	38	47.513	+ 3.0791	- 0.0009		6339
6340	Piscium	7-8	1	90.07	3	23	38	53.638	+ 3.0806	- 0.0013		6340
6341	Aquarii	8	1	90.36	3	23	39	2.008	+ 3.0920	- 0.0041		6341
6342	Piscium	7	4	84.80	3	23	39	21.705	+ 3.0752	0.0000		6342
6343	Aquarii	8	1	92.10	3	23	39	40.847	+ 3.1027	- 0.0070		6343
6344	107 Aquarii	i^2	6	81.72	3	23	40	17.923	+ 3.1127	- 0.0098	+ 0.0050	6344
6345	Aquarii	7-8	5	81.73	2	23	40	18.213	+ 3.1127	- 0.0098	+ 0.0050	6345

6306. Double: the companion precedes on the same parallel, and is of the 9-10 magnitude.
 6335. The limits of magnitude are 5.8 and about 11: the period is 387 days.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D.	Precess.	Sec. Var.	Proper Motion.	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
			° ' "	"	"	"							
6301	85°79	5	98 4 23·01	— 19·880	— 0·051			126	46210	573		3964	6301
6302	91°39	3	118 5 39·16	— 19·880	— 0·052	+ 0·170			46202		12207		6302
6303	90°40	3	105 54 22·79	— 19·882	— 0·051			128	46216				6303
6304	86°87	3	99 22 24·45	— 19·885	— 0·050				46229	586		3967	6304
6305	90°51	3	62 44 35·88	— 19·887	— 0·048				46240				6305
6306	91°48	3	61 42 34·35	— 19·891	— 0·047								6306
6307	81°81	3	103 40 11·61	— 19·903	— 0·047			133	46271	617	12219		6307
6308	91°46	3	61 36 58·40	— 19·904	— 0·045								6308
6309	83°84	3	105 42 2·37	— 19·907	— 0·046	+ 0·100		137	46286				6309
6310	90°37	3	91 56 39·51	— 19·909	— 0·045				46294	628			6310
6311	91°77	3	94 22 5·62	— 19·909	— 0·045								6311
6312	84°35	4	99 14 9·13	— 19·909	— 0·045				46296	629		3973	6312
6313	83°37	9	47 20 26·98	— 19·911	— 0·042	+ 0·012	3144	142	46311			3974	6313
6314	91°56	3	111 28 35·19	— 19·914	— 0·045			140					6314
6315	91°08	3	112 32 1·95	— 19·920	— 0·044				46328				6315
6316	81°88	3	104 49 48·31	— 19·925	— 0·043	+ 0·041	3145	143	46340	663	12233	3976	6316
6317	85°80	3	96 9 19·63	— 19·926	— 0·042				46349	664			6317
6318	83°57	9	84 58 11·30	— 19·927	— 0·041	+ 0·443	3148	145	46351	667	12234	3977	6318
6319	82°76	18	12 58 53·94	— 19·932	— 0·030	— 0·135	3152	155	46419			3979	6319
6320	91°76	3	109 35 50·76	— 19·932	— 0·041	+ 0·060		149	46365				6320
6321	91°80	3	90 11 34·58	— 19·934	— 0·040				46375	682			6321
6322	84°52	3	98 31 19·95	— 19·935	— 0·040				46380	684			6322
6323	85°77	3	102 17 26·70	— 19·938	— 0·040			153	46399	692	12242	3982	6323
6324	84°20	3	108 38 5·00	— 19·942	— 0·039	+ 0·075	3150	154	46412		12244	3983	6324
6325	90°79	3	110 22 3·20	— 19·944	— 0·039								6325
6326	82°08	3	108 25 35·60	— 19·944	— 0·039	— 0·022	3151	156	46425		12245	3984	6326
6327	92°13	3	96 35 32·13	— 19·945	— 0·038	+ 0·140		157	46435	706			6327
6328	82°77	3	88 49 30·30	— 19·947	— 0·037	+ 0·137	3153	158	46445	711	12250	3985	6328
6329	92°11	3	92 6 37·48	— 19·950	— 0·037				46453				6329
6330	84°21	3	106 3 26·79	— 19·950	— 0·037				46451			3986	6330
6331	85°82	4	105 9 11·05	— 19·952	— 0·037	+ 0·055	3154	159				3987	6331
6332	89°75	3	101 56 16·30	— 19·953	— 0·037			161	46464	716			6332
6333	92°08	3	111 42 1·81	— 19·957	— 0·036								6333
6334	91°81	3	100 17 3·16	— 19·960	— 0·035								6334
6335	84°22	3	105 53 38·76	— 19·962	— 0·035								6335
6336	90°12	3	61 14 51·54	— 19·965	— 0·033	+ 0·034	3160	166	46504			3989	6336
6337	82°19	3	108 53 14·06	— 19·965	— 0·034	+ 0·011	3159	165	46498		12269	3990	6337
6338	80°84	4	116 51 23·68	— 19·967	— 0·034			167	46511		12270		6338
6339	92°09	4	93 4 1·50	— 19·967	— 0·033								6339
6340	90°07	3	93 47 6·50	— 19·968	— 0·033				46518	755			6340
6341	90°36	3	99 4 23·14	— 19·969	— 0·033			169		760			6341
6342	84°80	3	91 16 14·75	— 19·972	— 0·032				46532	767			6342
6343	92°10	3	104 17 34·13	— 19·974	— 0·032			174	46543	772			6343
6344	81°71	4	109 17 23·10	— 19·979	— 0·030	— 0·051	3161	177	46555				6344
6345	81°71	3	109 17 27·53	— 19·979	— 0·030	— 0·051							6345

6307, 6313, 6318, 6319, 6323, 6328, are respectively 6130, 6136, 6142, 6151, 6152, 6157 of the Radcliffe Catalogue, 1845.
 6307, 6318, 6319, 6323, 6328, 6331, 6336, 6344, 6345, are respectively 2340, 2343, 2344, 2345, 2346, 2347, 2349, 2351, 2352 of the Radcliffe Catalogue, 1860.
 6302, 6309, 6320, 6327. The Proper Motions have been determined in the formation of the present Catalogue.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observation.	Number of Observations.	Mean R.A.			Precess.	Sec. Var.	Proper Motion.	No.
						h.	m.	s.				
6346	Aquarii	8	3	91.82	3	23	40	21.339	+ 3.1048	— 0.0078		6346
6347	Aquarii	7	3	87.04	4	23	40	52.865	+ 3.0914	— 0.0043		6347
6348	Aquarii	7	1	87.87	3	23	41	10.680	+ 3.0909	— 0.0042		6348
6349	Aquarii	6-5	2	81.84	3	23	41	35.928	+ 3.0963	— 0.0059	— 0.0080	6349
6350	Aquarii	8	2	91.51	3	23	41	43.649	+ 3.1174	— 0.0121		6350
6351	Piscium	9-8	2	90.39	3	23	41	44.834	+ 3.0809	— 0.0015		6351
6352	Piscium	8-7	4	85.50	3	23	41	59.934	+ 3.0818	— 0.0017		6352
6353	Piscium	7-8	1	85.76	3	23	42	3.849	+ 3.0750	+ 0.0002		6353
6354	20 Piscium	6-5	2	83.87	4	23	42	17.183	+ 3.0786	— 0.0009	+ 0.0048	6354
6355	Aquarii	8-7	3	90.42	3	23	42	29.105	+ 3.1043	— 0.0086		6355
6356	Aquarii	6	1	83.83	3	23	42	53.278	+ 3.0847	— 0.0028		6356
6357	Piscium	8-7	5	87.83	3	23	43	6.244	+ 3.0812	— 0.0017		6357
6358	Piscium	7-6	2	82.74	3	23	43	11.582	+ 3.0698	+ 0.0017		6358
6359	Sculptoris	δ 4-5	2	84.78	10	23	43	11.655	+ 3.1262	— 0.0159	+ 0.0090	6359
6360	Aquarii	7-8	1	90.42	3	23	43	44.341	+ 3.1112	— 0.0115		6360
6361	21 Piscium	6-5	1	84.13	3	23	43	49.390	+ 3.0717	+ 0.0012	— 0.0016	6361
6362	Aquarii	7-6	3	83.89	3	23	43	50.499	+ 3.1004	— 0.0080		6362
6363	Piscium	7-8	3	84.89	3	23	43	53.660	+ 3.0826	— 0.0022		6363
6364	Aquarii	7	2	90.38	3	23	44	26.928	+ 3.0913	— 0.0052		6364
6365	Aquarii	6	...	90.44	3	23	44	34.084	+ 3.0893	— 0.0046	+ 0.0070	6365
6366	Aquarii	7-8	2	86.21	3	23	44	46.659	+ 3.0966	— 0.0071		6366
6367	Aquarii	7-8	2	90.71	3	23	44	50.647	+ 3.0941	— 0.0063		6367
6368	Cassiopeiae	7-6	...	80.54	2	23	44	52.682	+ 2.9636	+ 0.0352		6368
6369	Aquarii	6	1	85.55	4	23	44	52.708	+ 3.0961	— 0.0071		6369
6370	Aquarii	7	...	90.20	3	23	44	52.748	+ 3.1061	— 0.0106		6370
6371	108 Aquarii	6-5	1	90.08	3	23	45	40.405	+ 3.1021	— 0.0097	— 0.0006	6371
6372	22 Piscium	6-7	...	83.17	3	23	46	19.857	+ 3.0693	+ 0.0023	0.0000	6372
6373	Aquarii	6	3	81.90	3	23	46	50.842	+ 3.0928	— 0.0069		6373
6374	Aquarii	7	3	81.80	3	23	46	59.278	+ 3.0989	— 0.0093		6374
6375	Ceti	7-6	...	89.80	3	23	46	59.573	+ 3.1088	— 0.0135		6375
6376	Aquarii	7-8	2	91.44	3	23	47	1.483	+ 3.0956	— 0.0081		6376
6377	Aquarii	6-5	2	85.23	3	23	47	10.844	+ 3.0851	— 0.0039		6377
6378	24 Piscium	6	1	85.15	3	23	47	16.475	+ 3.0774	— 0.0008	+ 0.0040	6378
6379	Piscium	8-9	2	91.80	3	23	47	28.112	+ 3.0818	— 0.0026		6379
6380	Ceti	7-6	3	86.52	3	23	47	39.417	+ 3.1058	— 0.0128		6380
6381	Aquarii	7-8	3	91.75	3	23	47	58.044	+ 3.0996	— 0.0105		6381
6382	Piscium	7-8	2	89.41	3	23	49	0.344	+ 3.0754	0.0000		6382
6383	Piscium	6	2	82.80	3	23	49	8.739	+ 3.0731	+ 0.0010		6383
6384	Aquarii	7-6	2	83.28	3	23	49	24.265	+ 3.0835	— 0.0040		6384
6385	Piscium	8-7	2	89.82	3	23	49	29.199	+ 3.0782	— 0.0015		6385
6386	Aquarii	7-6	1	90.12	3	23	49	30.105	+ 3.0972	— 0.0109		6386
6387	Ceti	7-6	2	84.20	3	23	50	6.630	+ 3.0866	— 0.0060		6387
6388	Piscium	9-8	3	91.84	3	23	50	49.600	+ 3.0739	+ 0.0006		6388
6389	Ceti	6-7	...	85.38	4	23	50	49.825	+ 3.0978	— 0.0130		6389
6390	Ceti	8	2	91.51	3	23	51	22.987	+ 3.0795	— 0.0028		6390

6387. Lalande's N.P.D. is about 5' too great.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
6346	91° 82	3	105 44 40.26	— 19.979	— 0.030				46558				6346
6347	87° 04	4	99 36 20.04	— 19.983	— 0.029				46576	794			6347
6348	87° 87	3	99 30 25.42	— 19.986	— 0.028				46586	801			6348
6349	81° 84	3	102 31 9.15	— 19.988	— 0.028	+ 0.100		185	46596	805	12286		6349
6350	91° 51	3	112 53 2.95	— 19.989	— 0.028			186					6350
6351	90° 39	3	94 30 53.40	— 19.989	— 0.027								6351
6352	85° 50	3	95 4 22.28	— 19.991	— 0.027				46609				6352
6353	85° 76	3	91 22 21.31	— 19.992	— 0.027				46614	817			6353
6354	83° 87	4	93 22 22.16	— 19.993	— 0.026	— 0.003	3165	188	46618	823		3996	6354
6355	90° 42	3	107 18 32.61	— 19.994	— 0.026				46625				6355
6356	83° 83	3	96 59 27.50	— 19.997	— 0.025			190	46636	841			6356
6357	87° 32	4	95 2 48.86	— 19.999	— 0.025					848			6357
6358	82° 74	3	88 23 43.83	— 19.999	— 0.024			193	46646	850		3999	6358
6359	83° 20	7	118 44 19.26	— 19.999	— 0.025	+ 0.100		192	46641		12297	3998	6359
6360	90° 42	3	112 13 33.24	— 20.003	— 0.024			194	46663		12299		6360
6361	84° 13	3	89 32 4.35	— 20.003	— 0.023	+ 0.030	3167	197	46667	861		4002	6361
6362	83° 89	3	106 28 20.04	— 20.003	— 0.023			196	46665				6362
6363	84° 89	3	96 9 50.54	— 20.004	— 0.023				46668	862			6363
6364	90° 38	3	101 42 49.91	— 20.007	— 0.022				46680	868		4005	6364
6365	90° 44	3	100 35 17.21	— 20.007	— 0.022	— 0.080		200	46684	871	12306	4006	6365
6366	86° 21	3	105 11 29.02	— 20.009	— 0.021			201					6366
6367	90° 71	3	103 43 20.01	— 20.009	— 0.021				46692	876			6367
6368	80° 67	3	38 59 21.72	— 20.009	— 0.020			204	46700				6368
6369	85° 55	4	105 0 44.97	— 20.009	— 0.021			203				4007	6369
6370	90° 20	3	110 50 39.33	— 20.009	— 0.021				46693				6370
6371	90° 08	3	109 31 15.30	— 20.014	— 0.020	— 0.002	3172	207	46714				6371
6372	83° 17	3	87 40 51.66	— 20.018	— 0.018	+ 0.011	3174	209	46744	900		4010	6372
6373	81° 90	3	104 51 46.79	— 20.020	— 0.017			210	46760				6373
6374	81° 80	3	109 10 25.18	— 20.021	— 0.017				46769				6374
6375	86° 79	3	115 35 52.39	— 20.021	— 0.017				46767		12326		6375
6376	91° 44	3	106 59 10.47	— 20.021	— 0.017				46771				6376
6377	85° 23	3	99 36 28.36	— 20.022	— 0.017				46781	921		4015	6377
6378	85° 15	3	93 45 57.91	— 20.022	— 0.016	+ 0.019	3179	215	46784	924	12330		6378
6379	91° 80	3	97 15 42.27	— 20.023	— 0.016				46790	929			6379
6380	86° 52	3	114 50 28.20	— 20.024	— 0.016			222	46805		12333		6380
6381	91° 75	3	111 7 43.20	— 20.025	— 0.015				46814				6381
6382	89° 41	3	92 33 28.60	— 20.030	— 0.013				46854	963			6382
6383	82° 80	3	90 30 7.94	— 20.030	— 0.013			227	46859				6383
6384	83° 28	3	100 4 22.07	— 20.032	— 0.012				46866	970			6384
6385	89° 82	3	95 16 47.79	— 20.032	— 0.012				46872	973			6385
6386	90° 12	3	111 59 27.16	— 20.032	— 0.012				46871				6386
6387	84° 88	3	103 45 46.39	— 20.034	— 0.011				46896	985	12350		6387
6388	91° 84	3	91 32 40.16	— 20.037	— 0.009				46913	999			6388
6389	85° 38	4	115 21 0.59	— 20.037	— 0.010				46917		12356		6389
6390	91° 51	3	97 57 55.55	— 20.039	— 0.008				46928	1009			6390

6354, 6368, are respectively 6182, 6195 of the Radcliffe Catalogue, 1845.
 6354, 6359, 6361, 6368, 6369, 6372, are respectively 2355, 2356, 2357, 2360, 2359, 2361 of the Radcliffe Catalogue, 1860.
 6349, 6365. The Proper Motions have been determined in the formation of the present Catalogue.
 6359. The Proper Motions have been taken from the Cape Catalogue, 1880.

No.	Constellation.	Magnitude.	Number of Estimations.	Mean Time of Observa- tion.	Number of Observations.	Mean R.A.	Precess.	Sec. Var.	Proper Motion.	No.
						h. m. s.	s.	s.	s.	
6391	Ceti	7-6	3	85.49	3	23 51 30.879	+ 3.0919	- 0.0105		6391
6392	Cassiopeiæ	6	...	83.87	7	23 51 36.008	+ 3.0023	+ 0.0422	- 0.0014	6392
6393	Ceti	8	1	91.47	3	23 52 37.813	+ 3.0817	- 0.0049		6393
6394	1 Ceti	6-7	5	83.85	6	23 52 41.614	+ 3.0851	- 0.0074	+ 0.0038	6394
6395	Ceti	7-8	3	85.89	3	23 52 55.742	+ 3.0833	- 0.0064		6395
6396	27 Piscium	6-5	1	84.87	3	23 53 2.500	+ 3.0754	- 0.0007	- 0.0050	6396
6397	Ceti	8-9	1	91.56	3	23 53 29.138	+ 3.0786	- 0.0033		6397
6398	Ceti	8	1	91.88	3	23 53 31.998	+ 3.0856	- 0.0089		6398
6399	28 Piscium	4	4	86.39	38	23 53 39.747	+ 3.0685	+ 0.0048	+ 0.0087	6399
6400	Piscium	7-8	1	89.84	3	23 53 52.979	+ 3.0747	- 0.0002		6400
6401	Piscium	7-8	1	89.43	3	23 53 55.699	+ 3.0740	+ 0.0003		6401
6402	Piscium	7-6	1	82.10	3	23 54 1.984	+ 3.0765	- 0.0018		6402
6403	Piscium	7	4	85.82	3	23 54 8.419	+ 3.0730	+ 0.0011		6403
6404	Ceti	8	3	91.85	3	23 54 13.657	+ 3.0868	- 0.0113		6404
6405	Piscium	7-8	3	86.81	3	23 54 32.936	+ 3.0730	+ 0.0011		6405
6406	Ceti	8-7	2	90.39	3	23 54 47.025	+ 3.0820	- 0.0077		6406
6407	Cassiopeiæ	5	1	87.55	3	23 56 0.122	+ 3.0311	+ 0.0533	+ 0.0020	6407
6408	29 Piscium	5-6	1	84.19	3	23 56 11.199	+ 3.0739	- 0.0002	- 0.0002	6408
6409	30 Piscium	4-5	1	84.37	4	23 56 19.008	+ 3.0750	- 0.0018	+ 0.0019	6409
6410	Ceti	7	5	86.54	3	23 56 36.455	+ 3.0775	- 0.0058	+ 0.0160	6410
6411	Sculptoris	5*	...	86.86	3	23 56 41.425	+ 3.0838	- 0.0159		6411
6412	Ceti	6-7	1	82.86	3	23 57 18.514	+ 3.0784	- 0.0096		6412
6413	Ceti	7	1	89.74	3	23 57 29.263	+ 3.0793	- 0.0121		6413
6414	2 Ceti	5-4	11	87.62	38	23 58 6.221	+ 3.0761	- 0.0079	- 0.0001	6414
6415	Ceti	6	1	84.24	3	23 58 41.551	+ 3.0748	- 0.0074		6415
6416	Sculptoris	6-7	...	84.83	3	23 58 42.379	+ 3.0771	- 0.0154		6416
6417	3 Ceti	5-6	3	85.86	3	23 58 52.167	+ 3.0738	- 0.0041	- 0.0039	6417
6418	Cassiopeiæ	5-6	1	84.10	7	23 59 25.176	+ 3.0664	+ 0.0549		6418
6419	Piscium	7-6	2	84.92	3	23 59 25.440	+ 3.0726	+ 0.0013		6419
6420	33 Piscium	5-4	1	85.77	5	23 59 42.256	+ 3.0727	- 0.0014	- 0.0019	6420
6421	Piscium	7-8	3	91.15	3	23 59 47.483	+ 3.0726	- 0.0004		6421
6422	Ceti	7-8	1	89.21	3	23 59 48.635	+ 3.0728	- 0.0061		6422
6423	Ceti	7	...	89.74	3	23 59 50.227	+ 3.0726	- 0.0024		6423
6424	Ceti	7-8	3	85.74	3	23 59 52.607	+ 3.0726	- 0.0035		6424

6397. Lalande's N.P.D. is about 30" too small.

6405. Reddish star.

6409. Yellowish-red star.

No.	Mean Time of Observation.	Number of Observations.	Mean N.P.D. ° ' "	Precess. "	Sec. Var. "	Proper Motion. "	Bradley, 1755.	Piazzi, 1800.	Lalande, 1800.	Weisse's Bessel, 1825.	Stone, Cape, 1880.	Greenwich, 1880.	No.
6391	85.49	3	111 26 43.08	- 20.039	- 0.008				46939				6391
6392	84.43	8	34 54 22.21	- 20.040	- 0.007	+ 0.025	3185	237	46947			4029	6392
6393	91.47	3	102 4 10.77	- 20.043	- 0.006				46971	1042			6393
6394	83.85	6	106 27 35.11	- 20.043	- 0.006	- 0.008	3188	243	46974				6394
6395	85.89	3	104 44 16.32	- 20.043	- 0.005				46988	1049			6395
6396	84.87	3	94 9 58.01	- 20.044	- 0.005	+ 0.057	3189	244	46992	1051	12375		6396
6397	91.56	3	99 5 57.63	- 20.045	- 0.004				47008	1056			6397
6398	91.88	3	109 9 8.63	- 20.045	- 0.004								6398
6399	82.73	11	83 44 43.54	- 20.045	- 0.004	+ 0.108	3191	246	47017	1062	12380	4036	6399
6400	89.84	3	93 27 23.26	- 20.046	- 0.003				47028				6400
6401	89.43	3	92 27 47.44	- 20.046	- 0.003				47030				6401
6402	82.10	3	96 30 12.86	- 20.046	- 0.003			249	47037	1067	12386		6402
6403	85.82	3	90 53 30.66	- 20.047	- 0.003				47041	1069		4041	6403
6404	91.85	3	113 2 29.62	- 20.047	- 0.003				47043				6404
6405	86.81	3	90 58 20.25	- 20.048	- 0.002				47051	1078			6405
6406	90.39	3	107 18 30.09	- 20.048	- 0.002				47058				6406
6407	86.55	4	29 23 22.48	- 20.050	+ 0.001	+ 0.012	3195		47110			4044	6407
6408	84.19	3	93 38 23.02	- 20.050	+ 0.001	+ 0.002	3196	255	47113	1114	12406	4046	6408
6409	84.37	4	96 37 30.92	- 20.050	+ 0.001	+ 0.031	3197	256	47115	1116	12409		6409
6410	86.54	3	104 1 15.75	- 20.051	+ 0.002	- 0.030			47123	1122			6410
6411	86.86	3	120 20 0.23	- 20.051	+ 0.002			259			12412	4048	6411
6412	82.86	3	110 39 39.01	- 20.052	+ 0.003			262	47157				6412
6413	89.74	3	114 45 29.49	- 20.052	+ 0.004				47161		12413		6413
6414	86.66	5	107 56 53.11	- 20.053	+ 0.005	- 0.005	3204	264	47179		12416	4053	6414
6415	84.24	3	107 8 23.22	- 20.053	+ 0.006							4054	6415
6416	84.83	3	119 52 54.65	- 20.053	+ 0.006						12420		6416
6417	85.86	3	101 7 18.21	- 20.053	+ 0.006	+ 0.008	3206	266	47200	1171	12422	4055	6417
6418	85.58	6	29 17 54.63	- 20.053	+ 0.008				47218				6418
6419	84.92	3	91 6 49.15	- 20.053	+ 0.008			270	47217	1183	12428		6419
6420	84.27	4	96 19 22.15	- 20.053	+ 0.008	- 0.096	3208	272	47227	1189	12431		6420
6421	91.15	3	94 27 46.82	- 20.053	+ 0.008				47233	1192			6421
6422	89.21	3	105 2 0.26	- 20.053	+ 0.008				47234				6422
6423	89.74	3	98 16 36.49	- 20.053	+ 0.008					1194			6423
6424	85.74	3	100 13 39.38	- 20.053	+ 0.008			273	47232	1195			6424

6392, 6396, 6399, 6407, 6408, 6409, 6418, 6420, are respectively 6228, 6237, 6247, 6263, 6266, 6267, 6297, 6301 of the Radcliffe Catalogue, 1845.

6394, 6396, 6399, 6402, 6409, 6414, 6420, are respectively 2371, 2373, 2374, 2376, 2380, 2383, 2384 of the Radcliffe Catalogue, 1860.

6410. The Proper Motions have been determined in the formation of the present Catalogue.

Catalogue of 6424 stars for the epoch 1890 Formed from observations made
at the radcliff observatory, Oxford, during the years 1880 - 1893 under
the superintendence of Edw. James Stone

Oxford 1894

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